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| | | |
|---|---|---|
| **Per e-mail** | **:** | **beau.gubbels@bam.com** |
| Vestiging, datum | : | Nuenen, 21 november 2025 |
| Ons kenmerk | : | 2501654MCL-02 |
| Uw kenmerk | : | - |
| Behandeld door | : | Martijn Claessens |
| Telefoonnummer | : | 06 30 89 88 56 |
| Gecontroleerd door | : | Miranda van de Ven - Verrijt |
| **Betreft** | **:** | **Notitie sirenegeluid Floriskwartier te Helmond** |

Geachte mevrouw Gubbels,

In opdracht van BAM Wonen B.V. heeft Tritium Advies eerder een akoestisch onderzoek wegverkeers- en spoorweglawaai uitgevoerd ten behoeve van de beoogde nieuwbouw van het Floriskwartier te Helmond. Dit is gerapporteerd in "2501654MCL-01 Akoestisch onderzoek wegverkeers- en spoorweglawaai" versie 0, d.d. 21 juli 2025 (hierna: onderzoek wegverkeers- en spoorweglawaai). Tevens is in dat onderzoek de invloed van het nabijgelegen geluidgezoneerd industrieterrein "Haageind" beschouwd. In deze onderliggende notitie wordt de invloed van de piekgeluiden ten gevolge van sirenelawaai afkomstig van uitrukkende brandweerauto's van de brandweerkazerne aan de Deurneseweg 135 te Helmond nader onderzocht. Deze beschouwing is uitgevoerd in het kader van een evenwichtige toedeling van functies aan locaties (ETFAL).

Het geluidonderzoek is uitgevoerd conform de Meet en Rekenmethode Geluid Industrie, bijlage IVh van de Omgevingsregeling.

Tritium Advies heeft geen binding met de opdrachtgever en de onderzoekslocatie anders dan als onafhankelijk (advies- en) onderzoeksbureau.

# 1. Opzet van het onderzoek en randvoorwaarden

Ten westen van de planlocatie is een brandweerkazerne gevestigd. Conform opgave van de gemeente is de invloed van de brandweerkazerne niet relevant, behalve het uitrukken van de brandweer. Op basis hiervan wordt alleen de geluidbelasting ten gevolge van het uitrukken van de brandweer beschouwd (geluid van sirene).

Voor het verwerken van deze gegevens en het berekenen van de immissieniveaus is gebruik gemaakt van het programma Geomilieu, ontwikkeld door DGMR. De immissieniveaus zijn bepaald

op de meest relevante beoordelingsposities, zijnde de toetspunten gelegen op de gevels van de nieuwe woningen van Floriskwartier.

# 2. Toetsingskader

Om aan te tonen dat er sprake is van ETFAL moet er getoetst worden aan de standaardwaarde (Art. 5.59, 5.64 en 5.65 Besluit kwaliteit leefomgeving (Bkl)). Artikel 5.73 (uitzondering geluidbronnen) uit het Bkl wordt niet aangestuurd in artikel 5.64. Dit betekent dat de toetsing aan nooddiensten voor de standaardwaarde noodzakelijk is. Voor de grenswaarde is toetsing hieraan uitgesloten (zie Art. 5.66 lid 4).

De standaardwaardes en grenswaardes zijn respectievelijk weergegeven in tabel 2.1 en 2.2 (instructieregels artikel 5.65 Bkl). Hoewel toetsing van sirenegeluid aan de grenswaarden is uitgesloten wordt in het kader van aanvaardbaarheid tabel 2.2 als richtwaarde beschouwd.

**Tabel 2.1: Standaardwaarden toelaatbaar geluid op een geluidgevoelig gebouw**

| | dagperiode 07.00 - 19.00 uur | avondperiode 19.00 - 23.00 uur | nachtperiode 23.00 - 07.00 uur |
|---|---|---|---|
| $L_{Ar,LT}$ als gevolg van activiteiten | 50 dB(A) | 45 dB(A) | 40 dB(A) |
| $L_{Amax}$ door aandrijfgeluid van transportmiddelen | -- | 70 dB(A) | 70 dB(A) |
| $L_{Amax}$ door andere piekgeluiden | -- | 65 dB(A) | 65 dB(A) |

**Tabel 2.2: Grenswaarde toelaatbaar geluid in geluidgevoelige ruimte binnen in- en aanpandige geluidgevoelige gebouwen**

| | dagperiode 07.00 - 19.00 uur | avondperiode 19.00 - 23.00 uur | nachtperiode 23.00 - 07.00 uur |
|---|---|---|---|
| $L_{Ar,LT}$ als gevolg van activiteiten | 35 dB(A) | 30 dB(A) | 25 dB(A) |
| $L_{Amax}$ door aandrijfgeluid van transportmiddelen | -- | 55 dB(A) | 55 dB(A) |
| $L_{Amax}$ door andere piekgeluiden | -- | 45 dB(A) | 45 dB(A) |

# 3. Berekeningen

Ter bepaling van de geluiduitstraling van de geluidrelevante activiteiten is gebruik gemaakt van kentallen. De berekeningen van de geluidemissie zijn uitgevoerd conform de voorschriften van methode II van Meet en Rekenmethode Geluid Industrie, bijlage IVh van de Omgevingsregeling. In bijlage 2 zijn de invoergegevens en grafische weergave van het model opgenomen.

*Piekgeluid brandweerauto incl. sirene*
Voor het piekbronvermogen van een wegrijdende brandweerauto inclusief sirene is $L_{w,max}$ =128 dB(A) representatief. Dit is middels een mobiele bron ingevoerd in het rekenmodel. Voor de routering is ervan uitgegaan dat er vanaf de brandweerkazerne wordt ingevoegd op de Deurneseweg in oostelijke richting. Er is rekening gehouden met een uitrukkende brandweerauto in elke periode.

# 4. Resultaten

In de navolgende tabel 4.1 zijn de rekenresultaten voor de maatgevende punten per geveldeel samengevat weergegeven. In bijlage 3 zijn de volledige rekenresultaten opgenomen.

**Tabel 4.1: Rekenresultaten op gevels piekniveaus sirenegeluid**

| punt | hoogte | geluidniveaus [dB(A)] | | |
|---|---|---|---|---|
| | | dagperiode | avondperiode | nachtperiode) |
| | | $L_{Amax}$ | $L_{Amax}$ | $L_{Amax}$ |
| *Blok A* | | | | |
| t010 noordgevel | 20 | 70 | 70 | 70 |
| t022 oostgevel | 5 en 8 | 85 | 85 | 85 |
| t023 zuidgevel | 5 en 8 | 86 | 86 | 86 |
| t001 westgevel | 5 t/m 14 | 85 | 85 | 85 |
| *Blok B* | | | | |
| t085 noordgevel | 11 en 14 | 71 | 71 | 71 |
| t095 oostgevel | 5 t/m 11 | 86 | 86 | 86 |
| t097 t/m t099 zuidgevel (Deurneseweg) | 5 t/m 11 | 87 | 87 | 87 |
| t100 westgevel | alle | 86 | 86 | 86 |
| t062 en t063 zuidgevel (parkeerplaats) | 11 | 80 | 80 | 80 |

Uit de rekenresultaten blijkt dat er met betrekking tot de maximale geluidniveaus niet zonder meer kan worden voldaan aan de standaardwaarden uit het Bkl. Echter zijn er geen eisen voor de geluidsgrenswaarden.

Uit het onderzoek wegverkeers- en spoorweglawaai volgt dat voor een groot deel van de gevels nader onderzoek naar de geluidwering van de gevels benodigd is omdat het gezamenlijk geluid hoger is dan 53 dB. Als gekeken wordt naar de benodigde geluidwering per gevel en de piekbelasting ten gevolge van sirenegeluid dan bedraagt het maximale geluidbinnenniveau ten gevolge van het maximale geluidsniveau door sirenegeluid 58 dB(A) (zie ook bijlage 3). Ten opzichte van het maximale geluidbinnenniveau is het geluid 3 dB hoger dan de uiterste grenswaarde van 55 dB(A) ten gevolge van piekniveaus van aandrijfgeluiden. De gevels welke het dichtstbij de wegvakken zijn gelegen ervaren de hoogste geluidsbelasting door de sirene, echter hebben zij ook de hoogste geluidswering benodigd op basis van het gezamenlijk geluid. Deze gevels zijn in die zin daarmee bovengemiddeld goed beschermd tegen het sirenegeluid.

In de Handreiking Industrielawaai en Vergunningverlening wordt aangegeven dat in bijzondere gevallen waarin er sprake is van het algemeen belang, de maximale geluidsniveaus ($L_{Amax}$) niet aan voorschriften gebonden kunnen worden. Voorbeelden zijn sociaal/medische hulpdiensten zoals het uitrukken van brandweer-, politie- en ziekenwagens. Vanwege het algemeen maatschappelijk belang van brandweerkazernes is derhalve in artikel 22.70 van het omgevingsplan gemeente Helmond bepaald dat het geluid door de inzet van motorvoertuigen of helikopters voor spoedeisende medische hulpverlening, ongevallenbestrijding, brandbestrijding, gladheidbestrijding en het vrijmaken van de weg na een ongeval buiten beschouwing wordt gelaten. De geluidniveaus zijn dus slechts inzichtelijk gemaakt in het kader van aanvaardbaarheid.

# 5. Conclusie

In onderliggende notitie is de piekgeluidbelasting ten gevolge van sirenegeluid van uitrukkende brandweerauto's aan de Deurneseweg inzichtelijk gemaakt. De gevels met de hoogste geluidbelasting zijn tevens de gevels waarbij de hoogste geluidwering van de gevel benodigd is ten gevolge van het berekende gezamenlijk geluid uit het onderzoek wegverkeers- en spoorweglawaai.

Opgemerkt wordt dat maximale geluidniveaus ten gevolge van het uitrukken van brandweerauto's niet aan voorschriften gebonden kunnen worden.

Met vriendelijke groet,

Tritium Advies B.V.

ir. M. Claessens
Projectleider Geluid en Energie

**Bijlage**
1. Situatietekening
2. Invoergegevens en grafische overzicht akoestisch rekenmodel
3. Berekeningsresultaten

Dit document is digitaal gegenereerd en derhalve niet voorzien van een handtekening. De inhoud is aantoonbaar gecontroleerd en vrijgegeven. Het document mag uitsluitend in zijn geheel worden gereproduceerd. Door derden aangebrachte wijzigingen en/of toevoegingen dan wel oneigenlijk gebruik van het document vallen niet onder de verantwoording van Tritium Advies.

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KvK-nr. 17108024

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Breda ›› Nuenen ›› Rijkevoort

Bijlage 1: Situatietekening

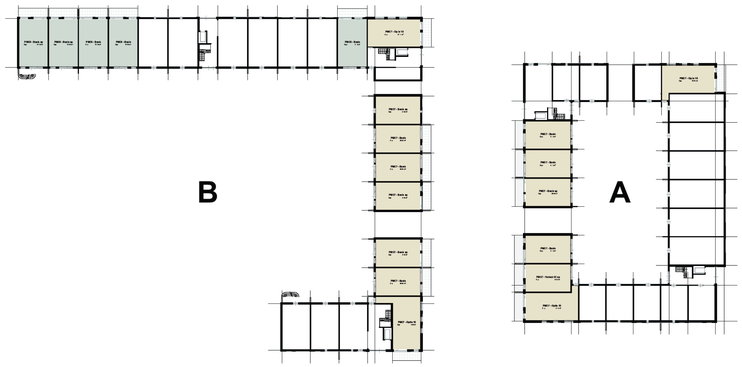
# Blok A&B





1:200

# Typologieën




Begane grond



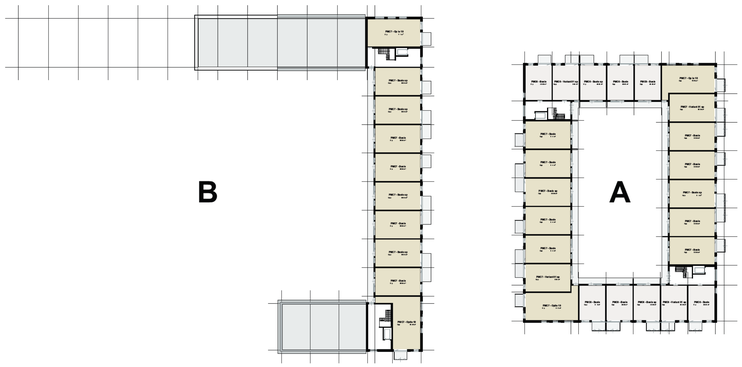

1e verdieping



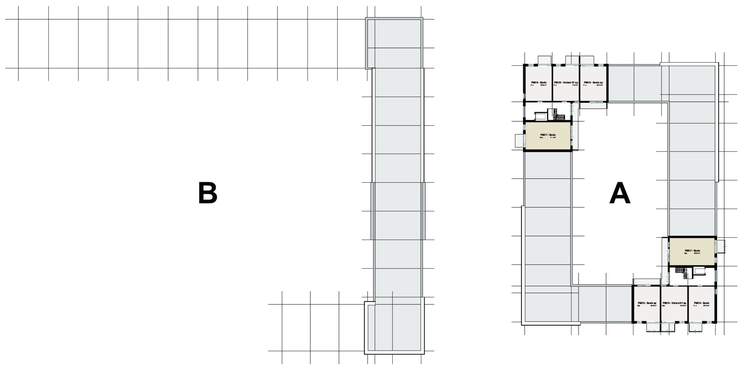

2e verdieping



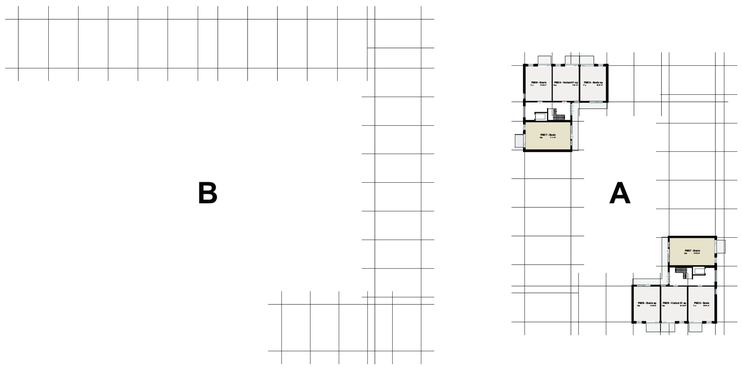

3e verdieping




4e verdieping




5e verdieping




6e verdieping

**Zones per verdieping**

| Ve... | Categorie | Nr. | Naam | Getekend opp. |
|---|---|---|---|---|
| Begane grond | | | | |
| | Blok A | | PMC7 - Basis | 66,04 |
| | Blok A | | PMC7 - Basis | 66,04 |
| | Blok A | | PMC7 - Basis | 66,04 |
| | Blok A | | PMC7 - Basis sp | 66,04 |
| | Blok A | | PMC7 - Optie 10 | 79,79 |
| | Blok A | | PMC7 - Optie 10 | 79,79 |
| | Blok A | | PMC7 - Variant 01 sp | 66,04 |
| | | | | **489,78 m²** |
| | Blok B | | PMC7 - Basis | 66,04 |
| | Blok B | | PMC7 - Basis | 66,04 |
| | Blok B | | PMC7 - Basis | 66,04 |
| | Blok B | | PMC7 - Basis sp | 66,04 |
| | Blok B | | PMC7 - Basis sp | 66,04 |
| | Blok B | | PMC7 - Basis sp | 66,04 |
| | Blok B | | PMC7 - Optie 10 | 77,31 |
| | Blok B | | PMC7 - Optie 10 | 83,45 |
| | Blok B | | PMC8 - Basis | 73,15 |
| | Blok B | | PMC8 - Basis | 73,15 |
| | Blok B | | PMC8 - Basis | 73,15 |
| | Blok B | | PMC8 - Basis sp | 73,15 |
| | Blok B | | PMC8 - Basis sp | 73,15 |
| | | | | **922,75 m²** |

| 2e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| | | | **1.436,06 m²** |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Optie 10 | 77,31 |
| Blok B | | PMC7 - Optie 10 | 83,45 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| | | | **1.691,85 m²** |

| 4e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| | | | **1.436,06 m²** |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Optie 10 | 77,31 |
| Blok B | | PMC7 - Optie 10 | 83,45 |
| | | | **689,08 m²** |

| 1e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| | | | **1.436,06 m²** |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Optie 10 | 77,31 |
| Blok B | | PMC7 - Optie 10 | 83,45 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| | | | **1.691,85 m²** |

| 3e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Basis sp | 66,04 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Optie 10 | 79,79 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| Blok A | | PMC7 - Variant 01 sp | 66,04 |
| | | | **1.436,06 m²** |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Basis sp | 66,04 |
| Blok B | | PMC7 - Optie 10 | 77,31 |
| Blok B | | PMC7 - Optie 10 | 83,45 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| Blok B | | PMC8 - Basis sp | 73,15 |
| | | | **1.252,95 m²** |

| 5e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| | | | **422,48 m²** |

| 6e verdieping | | | |
|---|---|---|---|
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Basis sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC6 - Variant 01 sp | 48,40 |
| Blok A | | PMC7 - Basis | 66,04 |
| Blok A | | PMC7 - Basis | 66,04 |
| | | | **422,48 m²** |
| | | | **13.327,46 m²** |

1:500, 1:1

Bijlage 2: Invoergegevens en grafisch overzicht van het akoestisch rekenmodel

Rapport: Lijst van model eigenschappen
Model: industrielawaai sirenegeluid

| Model eigenschap | |
|---|---|
| Omschrijving | industrielawaai sirenegeluid |
| Verantwoordelijke | m.claessens |
| Rekenmethode | #2\|Industrielawaai\|Omgevingswet, industrie\| |
| | |
| Aangemaakt door | m.claessens op 06/11/2025 |
| Laatst ingezien door | m.claessens op 20/11/2025 |
| Model aangemaakt met | Geomilieu V2024.2 rev 1 |
| | |
| Dagperiode | 07:00 - 19:00 |
| Avondperiode | 19:00 - 23:00 |
| Nachtperiode | 23:00 - 07:00 |
| Samengestelde periode | Etmaalwaarde |
| Waarde | Max(Dag, Avond + 5, Nacht + 10) |
| Coördinatensysteem | Amersfoort RD New (epsg:28992) |
| Standaard maaiveldhoogte | 0 |
| Rekenhoogte contouren | 4 |
| Detailniveau toetspunt resultaten | Bronresultaten |
| Detailniveau resultaten grids | Groepsresultaten |
| Rekenoptimalisatie aan | Ja |
| Zoekafstand [m] | 5000 |
| Meteorologische correctie | Toepassen standaard, 5.0 |
| Standaard bodemfactor | 0.0 |
| Absorptiestandaarden | Standaard |
| Dynamische foutmarge | -- |
| Clusteren gebouwen | Ja |
| Verwijderen binnenwanden | Ja |
| Max.refl.afstand | -- |
| Max.refl.diepte | 1 |

Model: industrielawaai sirenegeluid
Groep: (hoofdgroep)
Lijst van Toetspunten, voor rekenmethode Industrielawaai - Omgevingswet, industrie

| Naam | Omschr. | X | Y | Maaiveld | Hoogte A | Hoogte B | Hoogte C | Hoogte D | Gevel |
|---|---|---|---|---|---|---|---|---|---|
| t001 | toetspunt | 175203.36 | 387406.20 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t002 | toetspunt | 175205.04 | 387412.44 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t003 | toetspunt | 175206.82 | 387419.05 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t004 | toetspunt | 175208.44 | 387425.07 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t005 | toetspunt | 175210.14 | 387431.40 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t006 | toetspunt | 175211.90 | 387437.92 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t007 | toetspunt | 175213.65 | 387444.45 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t008 | toetspunt | 175216.78 | 387456.07 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t009 | toetspunt | 175221.60 | 387459.39 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t010 | toetspunt | 175227.72 | 387457.73 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t011 | toetspunt | 175233.99 | 387456.03 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t012 | toetspunt | 175239.82 | 387454.45 | 18.00 | -- | 5.00 | 8.00 | 11.00 | Ja |
| t013 | toetspunt | 175246.42 | 387452.66 | 18.00 | -- | 5.00 | 8.00 | 11.00 | Ja |
| t014 | toetspunt | 175254.95 | 387450.34 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t015 | toetspunt | 175260.33 | 387444.95 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t016 | toetspunt | 175258.55 | 387438.35 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t017 | toetspunt | 175256.82 | 387431.91 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t018 | toetspunt | 175255.11 | 387425.55 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t019 | toetspunt | 175253.39 | 387419.18 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t020 | toetspunt | 175251.63 | 387412.64 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t021 | toetspunt | 175249.98 | 387406.49 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t022 | toetspunt | 175246.68 | 387394.25 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t023 | toetspunt | 175242.21 | 387391.68 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t024 | toetspunt | 175236.00 | 387393.35 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t025 | toetspunt | 175229.95 | 387394.99 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t026 | toetspunt | 175224.04 | 387396.58 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t027 | toetspunt | 175217.86 | 387398.25 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t028 | toetspunt | 175208.79 | 387400.69 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t029 | toetspunt | 175232.32 | 387403.65 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t030 | toetspunt | 175226.16 | 387405.33 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t031 | toetspunt | 175219.87 | 387407.05 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t032 | toetspunt | 175216.22 | 387409.48 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t033 | toetspunt | 175218.03 | 387416.22 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t034 | toetspunt | 175219.51 | 387421.76 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t035 | toetspunt | 175221.27 | 387428.32 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t036 | toetspunt | 175223.04 | 387434.91 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t037 | toetspunt | 175224.83 | 387441.59 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t038 | toetspunt | 175231.52 | 387447.41 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t039 | toetspunt | 175237.52 | 387445.79 | 18.00 | -- | 5.00 | 8.00 | 11.00 | Ja |
| t040 | toetspunt | 175244.15 | 387443.99 | 18.00 | -- | 5.00 | 8.00 | 11.00 | Ja |
| t041 | toetspunt | 175247.55 | 387441.60 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t042 | toetspunt | 175245.86 | 387435.29 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t043 | toetspunt | 175244.28 | 387429.38 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t044 | toetspunt | 175242.51 | 387422.80 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t045 | toetspunt | 175240.75 | 387416.25 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t046 | toetspunt | 175239.10 | 387410.08 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t047 | toetspunt | 175218.28 | 387439.59 | 18.00 | 17.00 | 20.00 | -- | -- | Ja |
| t048 | toetspunt | 175235.77 | 387450.61 | 18.00 | 17.00 | 20.00 | -- | -- | Ja |
| t049 | toetspunt | 175245.40 | 387411.46 | 18.00 | 17.00 | 20.00 | -- | -- | Ja |
| t050 | toetspunt | 175228.01 | 387399.98 | 18.00 | 17.00 | 20.00 | -- | -- | Ja |
| t051 | toetspunt | 175152.76 | 387421.02 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t052 | toetspunt | 175158.80 | 387419.33 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t053 | toetspunt | 175165.46 | 387417.47 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t054 | toetspunt | 175171.45 | 387420.52 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t055 | toetspunt | 175173.29 | 387427.33 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t056 | toetspunt | 175174.93 | 387433.39 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t057 | toetspunt | 175176.72 | 387440.00 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t058 | toetspunt | 175178.49 | 387446.56 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t059 | toetspunt | 175180.22 | 387452.98 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t060 | toetspunt | 175181.91 | 387459.23 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t061 | toetspunt | 175183.44 | 387464.89 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t062 | toetspunt | 175180.44 | 387469.10 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t063 | toetspunt | 175173.16 | 387471.06 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t064 | toetspunt | 175166.44 | 387472.87 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t065 | toetspunt | 175159.58 | 387474.71 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t066 | toetspunt | 175153.12 | 387476.46 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t067 | toetspunt | 175142.64 | 387479.28 | 18.00 | 5.00 | 8.00 | -- | -- | Ja |
| t068 | toetspunt | 175134.89 | 387481.36 | 18.00 | 5.00 | 8.00 | -- | -- | Ja |

Model: industrielawaai sirenegeluid
Groep: (hoofdgroep)
Lijst van Toetspunten, voor rekenmethode Industrielawaai - Omgevingswet, industrie

| Naam | Omschr. | X | Y | Maaiveld | Hoogte A | Hoogte B | Hoogte C | Hoogte D | Gevel |
|---|---|---|---|---|---|---|---|---|---|
| t069 | toetspunt | 175128.28 | 387483.15 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t070 | toetspunt | 175121.39 | 387485.00 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t071 | toetspunt | 175113.73 | 387487.07 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t072 | toetspunt | 175108.09 | 387488.58 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t073 | toetspunt | 175106.11 | 387495.16 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t074 | toetspunt | 175111.59 | 387500.04 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t075 | toetspunt | 175118.35 | 387498.23 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t076 | toetspunt | 175124.99 | 387496.45 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t077 | toetspunt | 175131.46 | 387494.71 | 18.00 | 2.00 | 5.00 | 8.00 | -- | Ja |
| t078 | toetspunt | 175138.14 | 387492.92 | 18.00 | 5.00 | 8.00 | -- | -- | Ja |
| t079 | toetspunt | 175145.19 | 387491.03 | 18.00 | 5.00 | 8.00 | -- | -- | Ja |
| t080 | toetspunt | 175156.16 | 387488.10 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t081 | toetspunt | 175163.24 | 387486.20 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t082 | toetspunt | 175169.80 | 387484.45 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t083 | toetspunt | 175176.37 | 387482.69 | 18.00 | 5.00 | 8.00 | -- | 11.00 | Ja |
| t084 | toetspunt | 175182.93 | 387480.93 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t085 | toetspunt | 175192.12 | 387478.47 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t086 | toetspunt | 175197.50 | 387473.11 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t087 | toetspunt | 175194.51 | 387462.12 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t088 | toetspunt | 175192.92 | 387456.25 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t089 | toetspunt | 175191.04 | 387449.33 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t090 | toetspunt | 175189.33 | 387443.03 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t091 | toetspunt | 175187.69 | 387437.00 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t092 | toetspunt | 175185.90 | 387430.41 | 18.00 | 5.00 | 8.00 | 11.00 | 14.00 | Ja |
| t093 | toetspunt | 175184.23 | 387424.23 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t094 | toetspunt | 175182.38 | 387417.44 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t095 | toetspunt | 175179.68 | 387407.50 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t096 | toetspunt | 175174.84 | 387402.95 | 18.00 | 2.00 | 5.00 | 8.00 | 11.00 | Ja |
| t097 | toetspunt | 175162.66 | 387406.25 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t098 | toetspunt | 175156.28 | 387407.98 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t099 | toetspunt | 175150.00 | 387409.69 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t100 | toetspunt | 175147.83 | 387416.01 | 18.00 | 5.00 | 8.00 | 11.00 | -- | Ja |
| t201 | tuin | 175125.24 | 387505.20 | 18.00 | 1.50 | -- | -- | -- | Nee |
| t202 | tuin | 175158.56 | 387498.08 | 18.00 | 1.50 | -- | -- | -- | Nee |
| t203 | tuin | 175195.06 | 387486.72 | 18.00 | 1.50 | -- | -- | -- | Nee |
| t037_Z | toetspunt 20m | 175224.83 | 387441.59 | 18.00 | 20.00 | -- | -- | -- | Ja |
| t007_Z | toetspunt 20m | 175213.65 | 387444.45 | 18.00 | 20.00 | -- | -- | -- | Ja |

Model: industrielawaai sirenegeluid
Groep: (hoofdgroep)
Lijst van Mobiele bron, voor rekenmethode Industrielawaai - Omgevingswet, industrie

| Naam | Omschr. | ISO_H | ISO M. | Hdef. | Lengte | Aantal(D) | Aantal(A) | Aantal(N) | Gem.snelheid | Max.afst. | Lw 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| mb-01 | brandweerwagen sirene oost | 1.20 | -- | Relatief | 386.95 | 1 | 1 | 1 | 30 | 10.00 | 64.00 |

Model: industrielawaai sirenegeluid
Groep: (hoofdgroep)
Lijst van Mobiele bron, voor rekenmethode Industrielawaai - Omgevingswet, industrie

| Naam | Lw 63 | Lw 125 | Lw 250 | Lw 500 | Lw 1k | Lw 2k | Lw 4k | Lw 8k | Lw Totaal | Red 31 | Red 63 | Red 125 | Red 250 | Red 500 | Red 1k |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mb-01 | 80.00 | 81.00 | 92.00 | 116.00 | 126.00 | 124.00 | 111.00 | 93.00 | 128.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Model: industrielawaai sirenegeluid
Groep: (hoofdgroep)
Lijst van Mobiele bron, voor rekenmethode Industrielawaai - Omgevingswet, industrie

| Naam | Red 2k | Red 4k | Red 8k | Lwr 31 | Lwr 63 | Lwr 125 | Lwr 250 | Lwr 500 | Lwr 1k | Lwr 2k | Lwr 4k | Lwr 8k | Lwr Totaal | Groep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mb-01 | 0.00 | 0.00 | 0.00 | 64.00 | 80.00 | 81.00 | 92.00 | 116.00 | 126.00 | 124.00 | 111.00 | 93.00 | 128.46 | -- |

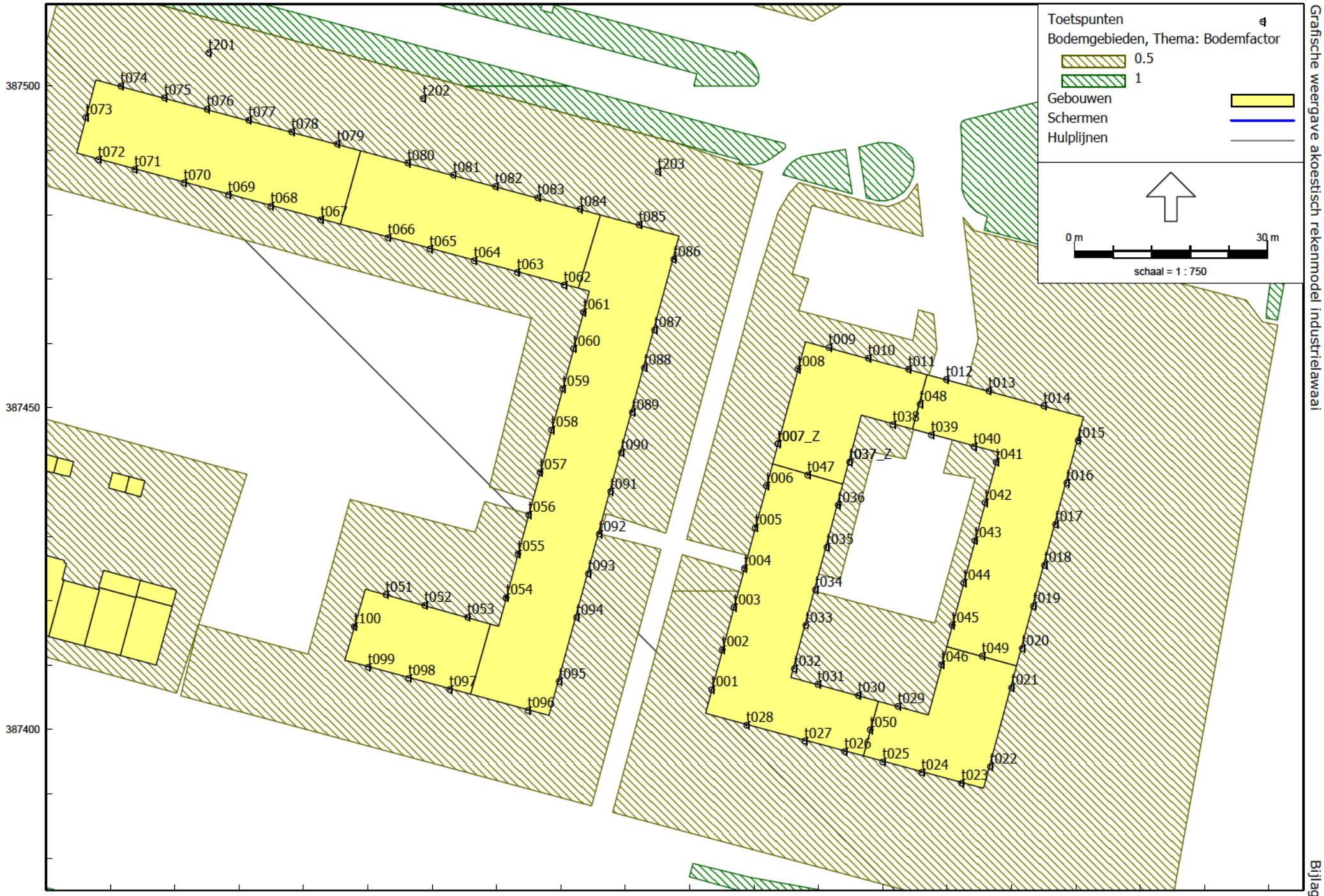



Tritium Advies

Grafische weergave akoestisch rekenmodel industrielawaai

2501654MCL-02

Bijlage 2




Omgevingswet, industrie, [versie 0 - industrielawaai sirenegeluid] , Geomilieu V2024.2 rev 1 Licentiehouder: Tritium Advies BV - locatie Nuenen

Tritium Advies
Grafische weergave akoestisch rekenmodel industrielawaai
2501654MCL-02
Bijlage 2

# Bijlage 3: Berekeningsresultaten

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t001_A | toetspunt | 175203.36 | 387406.20 | 2.00 | 83.2 | 83.2 | 83.2 |
| t001_B | toetspunt | 175203.36 | 387406.20 | 5.00 | 84.9 | 84.9 | 84.9 |
| t001_C | toetspunt | 175203.36 | 387406.20 | 8.00 | 84.8 | 84.8 | 84.8 |
| t001_D | toetspunt | 175203.36 | 387406.20 | 11.00 | 84.7 | 84.7 | 84.7 |
| t001_E | toetspunt | 175203.36 | 387406.20 | 14.00 | 84.6 | 84.6 | 84.6 |
| t002_A | toetspunt | 175205.04 | 387412.44 | 2.00 | 81.6 | 81.6 | 81.6 |
| t002_B | toetspunt | 175205.04 | 387412.44 | 5.00 | 83.8 | 83.8 | 83.8 |
| t002_C | toetspunt | 175205.04 | 387412.44 | 8.00 | 83.7 | 83.7 | 83.7 |
| t002_D | toetspunt | 175205.04 | 387412.44 | 11.00 | 83.6 | 83.6 | 83.6 |
| t002_E | toetspunt | 175205.04 | 387412.44 | 14.00 | 83.5 | 83.5 | 83.5 |
| t003_A | toetspunt | 175206.82 | 387419.05 | 2.00 | 80.2 | 80.2 | 80.2 |
| t003_B | toetspunt | 175206.82 | 387419.05 | 5.00 | 82.7 | 82.7 | 82.7 |
| t003_C | toetspunt | 175206.82 | 387419.05 | 8.00 | 82.7 | 82.7 | 82.7 |
| t003_D | toetspunt | 175206.82 | 387419.05 | 11.00 | 82.6 | 82.6 | 82.6 |
| t003_E | toetspunt | 175206.82 | 387419.05 | 14.00 | 82.5 | 82.5 | 82.5 |
| t004_A | toetspunt | 175208.44 | 387425.07 | 5.00 | 81.4 | 81.4 | 81.4 |
| t004_B | toetspunt | 175208.44 | 387425.07 | 8.00 | 81.8 | 81.8 | 81.8 |
| t004_C | toetspunt | 175208.44 | 387425.07 | 11.00 | 81.8 | 81.8 | 81.8 |
| t004_D | toetspunt | 175208.44 | 387425.07 | 14.00 | 81.7 | 81.7 | 81.7 |
| t005_A | toetspunt | 175210.14 | 387431.40 | 2.00 | 78.0 | 78.0 | 78.0 |
| t005_B | toetspunt | 175210.14 | 387431.40 | 5.00 | 80.2 | 80.2 | 80.2 |
| t005_C | toetspunt | 175210.14 | 387431.40 | 8.00 | 81.0 | 81.0 | 81.0 |
| t005_D | toetspunt | 175210.14 | 387431.40 | 11.00 | 81.0 | 81.0 | 81.0 |
| t005_E | toetspunt | 175210.14 | 387431.40 | 14.00 | 80.9 | 80.9 | 80.9 |
| t006_A | toetspunt | 175211.90 | 387437.92 | 2.00 | 77.1 | 77.1 | 77.1 |
| t006_B | toetspunt | 175211.90 | 387437.92 | 5.00 | 79.1 | 79.1 | 79.1 |
| t006_C | toetspunt | 175211.90 | 387437.92 | 8.00 | 80.3 | 80.3 | 80.3 |
| t006_D | toetspunt | 175211.90 | 387437.92 | 11.00 | 80.3 | 80.3 | 80.3 |
| t006_E | toetspunt | 175211.90 | 387437.92 | 14.00 | 80.2 | 80.2 | 80.2 |
| t007_A | toetspunt | 175213.65 | 387444.45 | 2.00 | 76.2 | 76.2 | 76.2 |
| t007_B | toetspunt | 175213.65 | 387444.45 | 5.00 | 78.1 | 78.1 | 78.1 |
| t007_C | toetspunt | 175213.65 | 387444.45 | 8.00 | 79.7 | 79.7 | 79.7 |
| t007_D | toetspunt | 175213.65 | 387444.45 | 11.00 | 79.6 | 79.6 | 79.6 |
| t007_E | toetspunt | 175213.65 | 387444.45 | 14.00 | 79.6 | 79.6 | 79.6 |
| t007_F | toetspunt | 175213.65 | 387444.45 | 17.00 | 79.5 | 79.5 | 79.5 |
| t007_Z_A | toetspunt 20m | 175213.65 | 387444.45 | 20.00 | 79.5 | 79.5 | 79.5 |
| t008_A | toetspunt | 175216.78 | 387456.07 | 5.00 | 78.7 | 78.7 | 78.7 |
| t008_B | toetspunt | 175216.78 | 387456.07 | 8.00 | 80.2 | 80.2 | 80.2 |
| t008_C | toetspunt | 175216.78 | 387456.07 | 11.00 | 80.6 | 80.6 | 80.6 |
| t008_D | toetspunt | 175216.78 | 387456.07 | 14.00 | 80.6 | 80.6 | 80.6 |
| t008_E | toetspunt | 175216.78 | 387456.07 | 17.00 | 80.6 | 80.6 | 80.6 |
| t008_F | toetspunt | 175216.78 | 387456.07 | 20.00 | 80.5 | 80.5 | 80.5 |
| t009_A | toetspunt | 175221.60 | 387459.39 | 5.00 | 59.5 | 59.5 | 59.5 |
| t009_B | toetspunt | 175221.60 | 387459.39 | 8.00 | 60.9 | 60.9 | 60.9 |
| t009_C | toetspunt | 175221.60 | 387459.39 | 11.00 | 61.5 | 61.5 | 61.5 |
| t009_D | toetspunt | 175221.60 | 387459.39 | 14.00 | 64.1 | 64.1 | 64.1 |
| t009_E | toetspunt | 175221.60 | 387459.39 | 17.00 | 68.1 | 68.1 | 68.1 |
| t009_F | toetspunt | 175221.60 | 387459.39 | 20.00 | 70.1 | 70.1 | 70.1 |
| t010_A | toetspunt | 175227.72 | 387457.73 | 5.00 | 59.5 | 59.5 | 59.5 |
| t010_B | toetspunt | 175227.72 | 387457.73 | 8.00 | 60.9 | 60.9 | 60.9 |
| t010_C | toetspunt | 175227.72 | 387457.73 | 11.00 | 61.4 | 61.4 | 61.4 |
| t010_D | toetspunt | 175227.72 | 387457.73 | 14.00 | 61.5 | 61.5 | 61.5 |
| t010_E | toetspunt | 175227.72 | 387457.73 | 17.00 | 67.8 | 67.8 | 67.8 |
| t010_F | toetspunt | 175227.72 | 387457.73 | 20.00 | 69.9 | 69.9 | 69.9 |
| t011_A | toetspunt | 175233.99 | 387456.03 | 5.00 | 59.5 | 59.5 | 59.5 |
| t011_B | toetspunt | 175233.99 | 387456.03 | 8.00 | 59.3 | 59.3 | 59.3 |
| t011_C | toetspunt | 175233.99 | 387456.03 | 11.00 | 59.9 | 59.9 | 59.9 |
| t011_D | toetspunt | 175233.99 | 387456.03 | 14.00 | 59.9 | 59.9 | 59.9 |
| t011_E | toetspunt | 175233.99 | 387456.03 | 17.00 | 67.1 | 67.1 | 67.1 |
| t011_F | toetspunt | 175233.99 | 387456.03 | 20.00 | 67.8 | 67.8 | 67.8 |
| t012_B | toetspunt | 175239.82 | 387454.45 | 5.00 | 59.5 | 59.5 | 59.5 |
| t012_C | toetspunt | 175239.82 | 387454.45 | 8.00 | 60.9 | 60.9 | 60.9 |
| t012_D | toetspunt | 175239.82 | 387454.45 | 11.00 | 61.4 | 61.4 | 61.4 |
| t012_E | toetspunt | 175239.82 | 387454.45 | 14.00 | 61.3 | 61.3 | 61.3 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t013_B | toetspunt | 175246.42 | 387452.66 | 5.00 | 59.2 | 59.2 | 59.2 |
| t013_C | toetspunt | 175246.42 | 387452.66 | 8.00 | 60.6 | 60.6 | 60.6 |
| t013_D | toetspunt | 175246.42 | 387452.66 | 11.00 | 61.1 | 61.1 | 61.1 |
| t013_E | toetspunt | 175246.42 | 387452.66 | 14.00 | 60.9 | 60.9 | 60.9 |
| t014_A | toetspunt | 175254.95 | 387450.34 | 2.00 | 63.5 | 63.5 | 63.5 |
| t014_B | toetspunt | 175254.95 | 387450.34 | 5.00 | 58.8 | 58.8 | 58.8 |
| t014_C | toetspunt | 175254.95 | 387450.34 | 8.00 | 60.2 | 60.2 | 60.2 |
| t014_D | toetspunt | 175254.95 | 387450.34 | 11.00 | 60.8 | 60.8 | 60.8 |
| t014_E | toetspunt | 175254.95 | 387450.34 | 14.00 | 60.8 | 60.8 | 60.8 |
| t015_A | toetspunt | 175260.33 | 387444.95 | 2.00 | 76.5 | 76.5 | 76.5 |
| t015_B | toetspunt | 175260.33 | 387444.95 | 5.00 | 77.7 | 77.7 | 77.7 |
| t015_C | toetspunt | 175260.33 | 387444.95 | 8.00 | 79.0 | 79.0 | 79.0 |
| t015_D | toetspunt | 175260.33 | 387444.95 | 11.00 | 79.9 | 79.9 | 79.9 |
| t015_E | toetspunt | 175260.33 | 387444.95 | 14.00 | 80.2 | 80.2 | 80.2 |
| t016_A | toetspunt | 175258.55 | 387438.35 | 5.00 | 78.3 | 78.3 | 78.3 |
| t016_B | toetspunt | 175258.55 | 387438.35 | 8.00 | 79.8 | 79.8 | 79.8 |
| t016_C | toetspunt | 175258.55 | 387438.35 | 11.00 | 80.8 | 80.8 | 80.8 |
| t016_D | toetspunt | 175258.55 | 387438.35 | 14.00 | 80.8 | 80.8 | 80.8 |
| t017_A | toetspunt | 175256.82 | 387431.91 | 5.00 | 79.1 | 79.1 | 79.1 |
| t017_B | toetspunt | 175256.82 | 387431.91 | 8.00 | 80.6 | 80.6 | 80.6 |
| t017_C | toetspunt | 175256.82 | 387431.91 | 11.00 | 80.9 | 80.9 | 80.9 |
| t017_D | toetspunt | 175256.82 | 387431.91 | 14.00 | 80.9 | 80.9 | 80.9 |
| t018_A | toetspunt | 175255.11 | 387425.55 | 5.00 | 80.0 | 80.0 | 80.0 |
| t018_B | toetspunt | 175255.11 | 387425.55 | 8.00 | 81.3 | 81.3 | 81.3 |
| t018_C | toetspunt | 175255.11 | 387425.55 | 11.00 | 81.4 | 81.4 | 81.4 |
| t018_D | toetspunt | 175255.11 | 387425.55 | 14.00 | 81.3 | 81.3 | 81.3 |
| t019_A | toetspunt | 175253.39 | 387419.18 | 5.00 | 81.0 | 81.0 | 81.0 |
| t019_B | toetspunt | 175253.39 | 387419.18 | 8.00 | 81.9 | 81.9 | 81.9 |
| t019_C | toetspunt | 175253.39 | 387419.18 | 11.00 | 81.9 | 81.9 | 81.9 |
| t019_D | toetspunt | 175253.39 | 387419.18 | 14.00 | 81.8 | 81.8 | 81.8 |
| t020_A | toetspunt | 175251.63 | 387412.64 | 5.00 | 81.4 | 81.4 | 81.4 |
| t020_B | toetspunt | 175251.63 | 387412.64 | 8.00 | 82.5 | 82.5 | 82.5 |
| t020_C | toetspunt | 175251.63 | 387412.64 | 11.00 | 82.4 | 82.4 | 82.4 |
| t020_D | toetspunt | 175251.63 | 387412.64 | 14.00 | 82.4 | 82.4 | 82.4 |
| t021_A | toetspunt | 175249.98 | 387406.49 | 5.00 | 82.8 | 82.8 | 82.8 |
| t021_B | toetspunt | 175249.98 | 387406.49 | 8.00 | 83.1 | 83.1 | 83.1 |
| t021_C | toetspunt | 175249.98 | 387406.49 | 11.00 | 83.0 | 83.0 | 83.0 |
| t021_D | toetspunt | 175249.98 | 387406.49 | 14.00 | 83.0 | 83.0 | 83.0 |
| t021_E | toetspunt | 175249.98 | 387406.49 | 17.00 | 82.9 | 82.9 | 82.9 |
| t021_F | toetspunt | 175249.98 | 387406.49 | 20.00 | 82.8 | 82.8 | 82.8 |
| t022_A | toetspunt | 175246.68 | 387394.25 | 5.00 | 84.8 | 84.8 | 84.8 |
| t022_B | toetspunt | 175246.68 | 387394.25 | 8.00 | 84.8 | 84.8 | 84.8 |
| t022_C | toetspunt | 175246.68 | 387394.25 | 11.00 | 84.6 | 84.6 | 84.6 |
| t022_D | toetspunt | 175246.68 | 387394.25 | 14.00 | 84.5 | 84.5 | 84.5 |
| t022_E | toetspunt | 175246.68 | 387394.25 | 17.00 | 84.3 | 84.3 | 84.3 |
| t022_F | toetspunt | 175246.68 | 387394.25 | 20.00 | 84.1 | 84.1 | 84.1 |
| t023_A | toetspunt | 175242.21 | 387391.68 | 5.00 | 85.7 | 85.7 | 85.7 |
| t023_B | toetspunt | 175242.21 | 387391.68 | 8.00 | 85.6 | 85.6 | 85.6 |
| t023_C | toetspunt | 175242.21 | 387391.68 | 11.00 | 85.4 | 85.4 | 85.4 |
| t023_D | toetspunt | 175242.21 | 387391.68 | 14.00 | 85.2 | 85.2 | 85.2 |
| t023_E | toetspunt | 175242.21 | 387391.68 | 17.00 | 85.0 | 85.0 | 85.0 |
| t023_F | toetspunt | 175242.21 | 387391.68 | 20.00 | 84.8 | 84.8 | 84.8 |
| t024_A | toetspunt | 175236.00 | 387393.35 | 5.00 | 85.5 | 85.5 | 85.5 |
| t024_B | toetspunt | 175236.00 | 387393.35 | 8.00 | 85.4 | 85.4 | 85.4 |
| t024_C | toetspunt | 175236.00 | 387393.35 | 11.00 | 85.3 | 85.3 | 85.3 |
| t024_D | toetspunt | 175236.00 | 387393.35 | 14.00 | 85.1 | 85.1 | 85.1 |
| t024_E | toetspunt | 175236.00 | 387393.35 | 17.00 | 84.9 | 84.9 | 84.9 |
| t024_F | toetspunt | 175236.00 | 387393.35 | 20.00 | 84.7 | 84.7 | 84.7 |
| t025_A | toetspunt | 175229.95 | 387394.99 | 5.00 | 85.4 | 85.4 | 85.4 |
| t025_B | toetspunt | 175229.95 | 387394.99 | 8.00 | 85.3 | 85.3 | 85.3 |
| t025_C | toetspunt | 175229.95 | 387394.99 | 11.00 | 85.2 | 85.2 | 85.2 |
| t025_D | toetspunt | 175229.95 | 387394.99 | 14.00 | 85.0 | 85.0 | 85.0 |
| t025_E | toetspunt | 175229.95 | 387394.99 | 17.00 | 84.8 | 84.8 | 84.8 |
| t025_F | toetspunt | 175229.95 | 387394.99 | 20.00 | 84.6 | 84.6 | 84.6 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t026_A | toetspunt | 175224.04 | 387396.58 | 5.00 | 85.5 | 85.5 | 85.5 |
| t026_B | toetspunt | 175224.04 | 387396.58 | 8.00 | 85.4 | 85.4 | 85.4 |
| t026_C | toetspunt | 175224.04 | 387396.58 | 11.00 | 85.2 | 85.2 | 85.2 |
| t026_D | toetspunt | 175224.04 | 387396.58 | 14.00 | 85.0 | 85.0 | 85.0 |
| t027_A | toetspunt | 175217.86 | 387398.25 | 5.00 | 85.5 | 85.5 | 85.5 |
| t027_B | toetspunt | 175217.86 | 387398.25 | 8.00 | 85.4 | 85.4 | 85.4 |
| t027_C | toetspunt | 175217.86 | 387398.25 | 11.00 | 85.3 | 85.3 | 85.3 |
| t027_D | toetspunt | 175217.86 | 387398.25 | 14.00 | 85.1 | 85.1 | 85.1 |
| t028_A | toetspunt | 175208.79 | 387400.69 | 2.00 | 84.1 | 84.1 | 84.1 |
| t028_B | toetspunt | 175208.79 | 387400.69 | 5.00 | 85.5 | 85.5 | 85.5 |
| t028_C | toetspunt | 175208.79 | 387400.69 | 8.00 | 85.4 | 85.4 | 85.4 |
| t028_D | toetspunt | 175208.79 | 387400.69 | 11.00 | 85.3 | 85.3 | 85.3 |
| t028_E | toetspunt | 175208.79 | 387400.69 | 14.00 | 85.1 | 85.1 | 85.1 |
| t029_A | toetspunt | 175232.32 | 387403.65 | 5.00 | 64.3 | 64.3 | 64.3 |
| t029_B | toetspunt | 175232.32 | 387403.65 | 8.00 | 64.2 | 64.2 | 64.2 |
| t029_C | toetspunt | 175232.32 | 387403.65 | 11.00 | 64.1 | 64.1 | 64.1 |
| t029_D | toetspunt | 175232.32 | 387403.65 | 14.00 | 64.0 | 64.0 | 64.0 |
| t029_E | toetspunt | 175232.32 | 387403.65 | 17.00 | 67.2 | 67.2 | 67.2 |
| t029_F | toetspunt | 175232.32 | 387403.65 | 20.00 | 67.8 | 67.8 | 67.8 |
| t030_A | toetspunt | 175226.16 | 387405.33 | 5.00 | 66.1 | 66.1 | 66.1 |
| t030_B | toetspunt | 175226.16 | 387405.33 | 8.00 | 66.1 | 66.1 | 66.1 |
| t030_C | toetspunt | 175226.16 | 387405.33 | 11.00 | 66.0 | 66.0 | 66.0 |
| t030_D | toetspunt | 175226.16 | 387405.33 | 14.00 | 66.0 | 66.0 | 66.0 |
| t031_A | toetspunt | 175219.87 | 387407.05 | 5.00 | 64.4 | 64.4 | 64.4 |
| t031_B | toetspunt | 175219.87 | 387407.05 | 8.00 | 64.6 | 64.6 | 64.6 |
| t031_C | toetspunt | 175219.87 | 387407.05 | 11.00 | 64.6 | 64.6 | 64.6 |
| t031_D | toetspunt | 175219.87 | 387407.05 | 14.00 | 64.8 | 64.8 | 64.8 |
| t032_A | toetspunt | 175216.22 | 387409.48 | 2.00 | 62.3 | 62.3 | 62.3 |
| t032_B | toetspunt | 175216.22 | 387409.48 | 5.00 | 64.3 | 64.3 | 64.3 |
| t032_C | toetspunt | 175216.22 | 387409.48 | 8.00 | 64.3 | 64.3 | 64.3 |
| t032_D | toetspunt | 175216.22 | 387409.48 | 11.00 | 64.2 | 64.2 | 64.2 |
| t032_E | toetspunt | 175216.22 | 387409.48 | 14.00 | 64.3 | 64.3 | 64.3 |
| t033_A | toetspunt | 175218.03 | 387416.22 | 2.00 | 62.0 | 62.0 | 62.0 |
| t033_B | toetspunt | 175218.03 | 387416.22 | 5.00 | 64.2 | 64.2 | 64.2 |
| t033_C | toetspunt | 175218.03 | 387416.22 | 8.00 | 64.7 | 64.7 | 64.7 |
| t033_D | toetspunt | 175218.03 | 387416.22 | 11.00 | 64.6 | 64.6 | 64.6 |
| t033_E | toetspunt | 175218.03 | 387416.22 | 14.00 | 64.8 | 64.8 | 64.8 |
| t034_A | toetspunt | 175219.51 | 387421.76 | 5.00 | 64.0 | 64.0 | 64.0 |
| t034_B | toetspunt | 175219.51 | 387421.76 | 8.00 | 64.2 | 64.2 | 64.2 |
| t034_C | toetspunt | 175219.51 | 387421.76 | 11.00 | 64.2 | 64.2 | 64.2 |
| t034_D | toetspunt | 175219.51 | 387421.76 | 14.00 | 64.3 | 64.3 | 64.3 |
| t035_A | toetspunt | 175221.27 | 387428.32 | 2.00 | 62.0 | 62.0 | 62.0 |
| t035_B | toetspunt | 175221.27 | 387428.32 | 5.00 | 63.2 | 63.2 | 63.2 |
| t035_C | toetspunt | 175221.27 | 387428.32 | 8.00 | 63.5 | 63.5 | 63.5 |
| t035_D | toetspunt | 175221.27 | 387428.32 | 11.00 | 63.6 | 63.6 | 63.6 |
| t035_E | toetspunt | 175221.27 | 387428.32 | 14.00 | 64.2 | 64.2 | 64.2 |
| t036_A | toetspunt | 175223.04 | 387434.91 | 2.00 | 61.4 | 61.4 | 61.4 |
| t036_B | toetspunt | 175223.04 | 387434.91 | 5.00 | 62.8 | 62.8 | 62.8 |
| t036_C | toetspunt | 175223.04 | 387434.91 | 8.00 | 64.0 | 64.0 | 64.0 |
| t036_D | toetspunt | 175223.04 | 387434.91 | 11.00 | 63.9 | 63.9 | 63.9 |
| t036_E | toetspunt | 175223.04 | 387434.91 | 14.00 | 63.9 | 63.9 | 63.9 |
| t037_A | toetspunt | 175224.83 | 387441.59 | 2.00 | 60.9 | 60.9 | 60.9 |
| t037_B | toetspunt | 175224.83 | 387441.59 | 5.00 | 62.6 | 62.6 | 62.6 |
| t037_C | toetspunt | 175224.83 | 387441.59 | 8.00 | 64.1 | 64.1 | 64.1 |
| t037_D | toetspunt | 175224.83 | 387441.59 | 11.00 | 64.1 | 64.1 | 64.1 |
| t037_E | toetspunt | 175224.83 | 387441.59 | 14.00 | 64.1 | 64.1 | 64.1 |
| t037_F | toetspunt | 175224.83 | 387441.59 | 17.00 | 67.9 | 67.9 | 67.9 |
| t037_Z_A | toetspunt 20m | 175224.83 | 387441.59 | 20.00 | 74.6 | 74.6 | 74.6 |
| t038_A | toetspunt | 175231.52 | 387447.41 | 5.00 | 60.5 | 60.5 | 60.5 |
| t038_B | toetspunt | 175231.52 | 387447.41 | 8.00 | 62.1 | 62.1 | 62.1 |
| t038_C | toetspunt | 175231.52 | 387447.41 | 11.00 | 62.3 | 62.3 | 62.3 |
| t038_D | toetspunt | 175231.52 | 387447.41 | 14.00 | 64.8 | 64.8 | 64.8 |
| t038_E | toetspunt | 175231.52 | 387447.41 | 17.00 | 68.1 | 68.1 | 68.1 |
| t038_F | toetspunt | 175231.52 | 387447.41 | 20.00 | 76.9 | 76.9 | 76.9 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t039_B | toetspunt | 175237.52 | 387445.79 | 5.00 | 60.5 | 60.5 | 60.5 |
| t039_C | toetspunt | 175237.52 | 387445.79 | 8.00 | 62.1 | 62.1 | 62.1 |
| t039_D | toetspunt | 175237.52 | 387445.79 | 11.00 | 62.5 | 62.5 | 62.5 |
| t039_E | toetspunt | 175237.52 | 387445.79 | 14.00 | 64.4 | 64.4 | 64.4 |
| t040_B | toetspunt | 175244.15 | 387443.99 | 5.00 | 60.4 | 60.4 | 60.4 |
| t040_C | toetspunt | 175244.15 | 387443.99 | 8.00 | 62.0 | 62.0 | 62.0 |
| t040_D | toetspunt | 175244.15 | 387443.99 | 11.00 | 62.2 | 62.2 | 62.2 |
| t040_E | toetspunt | 175244.15 | 387443.99 | 14.00 | 63.5 | 63.5 | 63.5 |
| t041_A | toetspunt | 175247.55 | 387441.60 | 5.00 | 60.4 | 60.4 | 60.4 |
| t041_B | toetspunt | 175247.55 | 387441.60 | 8.00 | 62.0 | 62.0 | 62.0 |
| t041_C | toetspunt | 175247.55 | 387441.60 | 11.00 | 62.3 | 62.3 | 62.3 |
| t041_D | toetspunt | 175247.55 | 387441.60 | 14.00 | 66.4 | 66.4 | 66.4 |
| t042_A | toetspunt | 175245.86 | 387435.29 | 5.00 | 61.0 | 61.0 | 61.0 |
| t042_B | toetspunt | 175245.86 | 387435.29 | 8.00 | 62.6 | 62.6 | 62.6 |
| t042_C | toetspunt | 175245.86 | 387435.29 | 11.00 | 62.7 | 62.7 | 62.7 |
| t042_D | toetspunt | 175245.86 | 387435.29 | 14.00 | 63.2 | 63.2 | 63.2 |
| t043_A | toetspunt | 175244.28 | 387429.38 | 5.00 | 61.7 | 61.7 | 61.7 |
| t043_B | toetspunt | 175244.28 | 387429.38 | 8.00 | 62.9 | 62.9 | 62.9 |
| t043_C | toetspunt | 175244.28 | 387429.38 | 11.00 | 62.9 | 62.9 | 62.9 |
| t043_D | toetspunt | 175244.28 | 387429.38 | 14.00 | 63.5 | 63.5 | 63.5 |
| t044_A | toetspunt | 175242.51 | 387422.80 | 5.00 | 61.7 | 61.7 | 61.7 |
| t044_B | toetspunt | 175242.51 | 387422.80 | 8.00 | 62.6 | 62.6 | 62.6 |
| t044_C | toetspunt | 175242.51 | 387422.80 | 11.00 | 62.8 | 62.8 | 62.8 |
| t044_D | toetspunt | 175242.51 | 387422.80 | 14.00 | 63.7 | 63.7 | 63.7 |
| t045_A | toetspunt | 175240.75 | 387416.25 | 5.00 | 62.6 | 62.6 | 62.6 |
| t045_B | toetspunt | 175240.75 | 387416.25 | 8.00 | 63.1 | 63.1 | 63.1 |
| t045_C | toetspunt | 175240.75 | 387416.25 | 11.00 | 63.0 | 63.0 | 63.0 |
| t045_D | toetspunt | 175240.75 | 387416.25 | 14.00 | 63.6 | 63.6 | 63.6 |
| t046_A | toetspunt | 175239.10 | 387410.08 | 5.00 | 63.6 | 63.6 | 63.6 |
| t046_B | toetspunt | 175239.10 | 387410.08 | 8.00 | 63.6 | 63.6 | 63.6 |
| t046_C | toetspunt | 175239.10 | 387410.08 | 11.00 | 63.6 | 63.6 | 63.6 |
| t046_D | toetspunt | 175239.10 | 387410.08 | 14.00 | 63.5 | 63.5 | 63.5 |
| t046_E | toetspunt | 175239.10 | 387410.08 | 17.00 | 71.7 | 71.7 | 71.7 |
| t046_F | toetspunt | 175239.10 | 387410.08 | 20.00 | 77.8 | 77.8 | 77.8 |
| t047_A | toetspunt | 175218.28 | 387439.59 | 17.00 | 77.1 | 77.1 | 77.1 |
| t047_B | toetspunt | 175218.28 | 387439.59 | 20.00 | 79.3 | 79.3 | 79.3 |
| t048_A | toetspunt | 175235.77 | 387450.61 | 17.00 | 68.1 | 68.1 | 68.1 |
| t048_B | toetspunt | 175235.77 | 387450.61 | 20.00 | 77.9 | 77.9 | 77.9 |
| t049_A | toetspunt | 175245.40 | 387411.46 | 17.00 | 63.6 | 63.6 | 63.6 |
| t049_B | toetspunt | 175245.40 | 387411.46 | 20.00 | 70.0 | 70.0 | 70.0 |
| t050_A | toetspunt | 175228.01 | 387399.98 | 17.00 | 80.8 | 80.8 | 80.8 |
| t050_B | toetspunt | 175228.01 | 387399.98 | 20.00 | 83.9 | 83.9 | 83.9 |
| t051_A | toetspunt | 175152.76 | 387421.02 | 5.00 | 74.0 | 74.0 | 74.0 |
| t051_B | toetspunt | 175152.76 | 387421.02 | 8.00 | 74.0 | 74.0 | 74.0 |
| t051_C | toetspunt | 175152.76 | 387421.02 | 11.00 | 74.0 | 74.0 | 74.0 |
| t052_A | toetspunt | 175158.80 | 387419.33 | 5.00 | 74.0 | 74.0 | 74.0 |
| t052_B | toetspunt | 175158.80 | 387419.33 | 8.00 | 74.0 | 74.0 | 74.0 |
| t052_C | toetspunt | 175158.80 | 387419.33 | 11.00 | 74.0 | 74.0 | 74.0 |
| t053_A | toetspunt | 175165.46 | 387417.47 | 5.00 | 74.1 | 74.1 | 74.1 |
| t053_B | toetspunt | 175165.46 | 387417.47 | 8.00 | 74.1 | 74.1 | 74.1 |
| t053_C | toetspunt | 175165.46 | 387417.47 | 11.00 | 74.0 | 74.0 | 74.0 |
| t054_A | toetspunt | 175171.45 | 387420.52 | 2.00 | 71.9 | 71.9 | 71.9 |
| t054_B | toetspunt | 175171.45 | 387420.52 | 5.00 | 73.3 | 73.3 | 73.3 |
| t054_C | toetspunt | 175171.45 | 387420.52 | 8.00 | 73.7 | 73.7 | 73.7 |
| t054_D | toetspunt | 175171.45 | 387420.52 | 11.00 | 73.8 | 73.8 | 73.8 |
| t054_E | toetspunt | 175171.45 | 387420.52 | 14.00 | 77.1 | 77.1 | 77.1 |
| t055_A | toetspunt | 175173.29 | 387427.33 | 2.00 | 74.3 | 74.3 | 74.3 |
| t055_B | toetspunt | 175173.29 | 387427.33 | 5.00 | 76.1 | 76.1 | 76.1 |
| t055_C | toetspunt | 175173.29 | 387427.33 | 8.00 | 77.6 | 77.6 | 77.6 |
| t055_D | toetspunt | 175173.29 | 387427.33 | 11.00 | 80.9 | 80.9 | 80.9 |
| t055_E | toetspunt | 175173.29 | 387427.33 | 14.00 | 77.1 | 77.1 | 77.1 |
| t056_A | toetspunt | 175174.93 | 387433.39 | 5.00 | 76.6 | 76.6 | 76.6 |
| t056_B | toetspunt | 175174.93 | 387433.39 | 8.00 | 77.7 | 77.7 | 77.7 |
| t056_C | toetspunt | 175174.93 | 387433.39 | 11.00 | 81.2 | 81.2 | 81.2 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t056_D | toetspunt | 175174.93 | 387433.39 | 14.00 | 78.3 | 78.3 | 78.3 |
| t057_A | toetspunt | 175176.72 | 387440.00 | 2.00 | 75.2 | 75.2 | 75.2 |
| t057_B | toetspunt | 175176.72 | 387440.00 | 5.00 | 76.7 | 76.7 | 76.7 |
| t057_C | toetspunt | 175176.72 | 387440.00 | 8.00 | 78.1 | 78.1 | 78.1 |
| t057_D | toetspunt | 175176.72 | 387440.00 | 11.00 | 79.2 | 79.2 | 79.2 |
| t057_E | toetspunt | 175176.72 | 387440.00 | 14.00 | 82.1 | 82.1 | 82.1 |
| t058_A | toetspunt | 175178.49 | 387446.56 | 2.00 | 77.8 | 77.8 | 77.8 |
| t058_B | toetspunt | 175178.49 | 387446.56 | 5.00 | 78.9 | 78.9 | 78.9 |
| t058_C | toetspunt | 175178.49 | 387446.56 | 8.00 | 80.4 | 80.4 | 80.4 |
| t058_D | toetspunt | 175178.49 | 387446.56 | 11.00 | 80.9 | 80.9 | 80.9 |
| t058_E | toetspunt | 175178.49 | 387446.56 | 14.00 | 81.8 | 81.8 | 81.8 |
| t059_A | toetspunt | 175180.22 | 387452.98 | 2.00 | 77.6 | 77.6 | 77.6 |
| t059_B | toetspunt | 175180.22 | 387452.98 | 5.00 | 78.6 | 78.6 | 78.6 |
| t059_C | toetspunt | 175180.22 | 387452.98 | 8.00 | 80.0 | 80.0 | 80.0 |
| t059_D | toetspunt | 175180.22 | 387452.98 | 11.00 | 80.7 | 80.7 | 80.7 |
| t059_E | toetspunt | 175180.22 | 387452.98 | 14.00 | 80.7 | 80.7 | 80.7 |
| t060_A | toetspunt | 175181.91 | 387459.23 | 2.00 | 77.5 | 77.5 | 77.5 |
| t060_B | toetspunt | 175181.91 | 387459.23 | 5.00 | 78.3 | 78.3 | 78.3 |
| t060_C | toetspunt | 175181.91 | 387459.23 | 8.00 | 79.7 | 79.7 | 79.7 |
| t060_D | toetspunt | 175181.91 | 387459.23 | 11.00 | 80.6 | 80.6 | 80.6 |
| t060_E | toetspunt | 175181.91 | 387459.23 | 14.00 | 78.9 | 78.9 | 78.9 |
| t061_A | toetspunt | 175183.44 | 387464.89 | 5.00 | 78.1 | 78.1 | 78.1 |
| t061_B | toetspunt | 175183.44 | 387464.89 | 8.00 | 79.4 | 79.4 | 79.4 |
| t061_C | toetspunt | 175183.44 | 387464.89 | 11.00 | 80.5 | 80.5 | 80.5 |
| t061_D | toetspunt | 175183.44 | 387464.89 | 14.00 | 80.0 | 80.0 | 80.0 |
| t062_A | toetspunt | 175180.44 | 387469.10 | 2.00 | 76.7 | 76.7 | 76.7 |
| t062_B | toetspunt | 175180.44 | 387469.10 | 5.00 | 77.7 | 77.7 | 77.7 |
| t062_C | toetspunt | 175180.44 | 387469.10 | 8.00 | 79.0 | 79.0 | 79.0 |
| t062_D | toetspunt | 175180.44 | 387469.10 | 11.00 | 80.0 | 80.0 | 80.0 |
| t063_A | toetspunt | 175173.16 | 387471.06 | 5.00 | 78.4 | 78.4 | 78.4 |
| t063_B | toetspunt | 175173.16 | 387471.06 | 8.00 | 79.8 | 79.8 | 79.8 |
| t063_D | toetspunt | 175173.16 | 387471.06 | 11.00 | 80.5 | 80.5 | 80.5 |
| t064_A | toetspunt | 175166.44 | 387472.87 | 5.00 | 78.5 | 78.5 | 78.5 |
| t064_B | toetspunt | 175166.44 | 387472.87 | 8.00 | 79.9 | 79.9 | 79.9 |
| t064_D | toetspunt | 175166.44 | 387472.87 | 11.00 | 80.4 | 80.4 | 80.4 |
| t065_A | toetspunt | 175159.58 | 387474.71 | 5.00 | 76.6 | 76.6 | 76.6 |
| t065_B | toetspunt | 175159.58 | 387474.71 | 8.00 | 78.1 | 78.1 | 78.1 |
| t065_D | toetspunt | 175159.58 | 387474.71 | 11.00 | 78.8 | 78.8 | 78.8 |
| t066_A | toetspunt | 175153.12 | 387476.46 | 5.00 | 76.7 | 76.7 | 76.7 |
| t066_B | toetspunt | 175153.12 | 387476.46 | 8.00 | 78.2 | 78.2 | 78.2 |
| t066_D | toetspunt | 175153.12 | 387476.46 | 11.00 | 78.9 | 78.9 | 78.9 |
| t067_A | toetspunt | 175142.64 | 387479.28 | 5.00 | 76.4 | 76.4 | 76.4 |
| t067_B | toetspunt | 175142.64 | 387479.28 | 8.00 | 77.9 | 77.9 | 77.9 |
| t068_A | toetspunt | 175134.89 | 387481.36 | 5.00 | 78.5 | 78.5 | 78.5 |
| t068_B | toetspunt | 175134.89 | 387481.36 | 8.00 | 79.9 | 79.9 | 79.9 |
| t069_A | toetspunt | 175128.28 | 387483.15 | 2.00 | 74.8 | 74.8 | 74.8 |
| t069_B | toetspunt | 175128.28 | 387483.15 | 5.00 | 76.2 | 76.2 | 76.2 |
| t069_C | toetspunt | 175128.28 | 387483.15 | 8.00 | 77.6 | 77.6 | 77.6 |
| t070_A | toetspunt | 175121.39 | 387485.00 | 2.00 | 74.5 | 74.5 | 74.5 |
| t070_B | toetspunt | 175121.39 | 387485.00 | 5.00 | 75.7 | 75.7 | 75.7 |
| t070_C | toetspunt | 175121.39 | 387485.00 | 8.00 | 77.1 | 77.1 | 77.1 |
| t071_A | toetspunt | 175113.73 | 387487.07 | 2.00 | 74.8 | 74.8 | 74.8 |
| t071_B | toetspunt | 175113.73 | 387487.07 | 5.00 | 76.2 | 76.2 | 76.2 |
| t071_C | toetspunt | 175113.73 | 387487.07 | 8.00 | 77.6 | 77.6 | 77.6 |
| t072_A | toetspunt | 175108.09 | 387488.58 | 2.00 | 75.0 | 75.0 | 75.0 |
| t072_B | toetspunt | 175108.09 | 387488.58 | 5.00 | 76.4 | 76.4 | 76.4 |
| t072_C | toetspunt | 175108.09 | 387488.58 | 8.00 | 77.8 | 77.8 | 77.8 |
| t073_A | toetspunt | 175106.11 | 387495.16 | 2.00 | 75.3 | 75.3 | 75.3 |
| t073_B | toetspunt | 175106.11 | 387495.16 | 5.00 | 76.4 | 76.4 | 76.4 |
| t073_C | toetspunt | 175106.11 | 387495.16 | 8.00 | 77.8 | 77.8 | 77.8 |
| t074_A | toetspunt | 175111.59 | 387500.04 | 2.00 | 68.9 | 68.9 | 68.9 |
| t074_B | toetspunt | 175111.59 | 387500.04 | 5.00 | 69.4 | 69.4 | 69.4 |
| t074_C | toetspunt | 175111.59 | 387500.04 | 8.00 | 70.5 | 70.5 | 70.5 |
| t075_A | toetspunt | 175118.35 | 387498.23 | 2.00 | 68.8 | 68.8 | 68.8 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t075_B | toetspunt | 175118.35 | 387498.23 | 5.00 | 69.3 | 69.3 | 69.3 |
| t075_C | toetspunt | 175118.35 | 387498.23 | 8.00 | 70.4 | 70.4 | 70.4 |
| t076_A | toetspunt | 175124.99 | 387496.45 | 2.00 | 62.2 | 62.2 | 62.2 |
| t076_B | toetspunt | 175124.99 | 387496.45 | 5.00 | 62.5 | 62.5 | 62.5 |
| t076_C | toetspunt | 175124.99 | 387496.45 | 8.00 | 63.6 | 63.6 | 63.6 |
| t077_A | toetspunt | 175131.46 | 387494.71 | 2.00 | 60.9 | 60.9 | 60.9 |
| t077_B | toetspunt | 175131.46 | 387494.71 | 5.00 | 61.3 | 61.3 | 61.3 |
| t077_C | toetspunt | 175131.46 | 387494.71 | 8.00 | 63.0 | 63.0 | 63.0 |
| t078_A | toetspunt | 175138.14 | 387492.92 | 5.00 | 60.5 | 60.5 | 60.5 |
| t078_B | toetspunt | 175138.14 | 387492.92 | 8.00 | 62.3 | 62.3 | 62.3 |
| t079_A | toetspunt | 175145.19 | 387491.03 | 5.00 | 59.5 | 59.5 | 59.5 |
| t079_B | toetspunt | 175145.19 | 387491.03 | 8.00 | 62.8 | 62.8 | 62.8 |
| t080_A | toetspunt | 175156.16 | 387488.10 | 5.00 | 59.8 | 59.8 | 59.8 |
| t080_B | toetspunt | 175156.16 | 387488.10 | 8.00 | 60.6 | 60.6 | 60.6 |
| t080_D | toetspunt | 175156.16 | 387488.10 | 11.00 | 67.5 | 67.5 | 67.5 |
| t081_A | toetspunt | 175163.24 | 387486.20 | 5.00 | 60.0 | 60.0 | 60.0 |
| t081_B | toetspunt | 175163.24 | 387486.20 | 8.00 | 61.3 | 61.3 | 61.3 |
| t081_D | toetspunt | 175163.24 | 387486.20 | 11.00 | 67.9 | 67.9 | 67.9 |
| t082_A | toetspunt | 175169.80 | 387484.45 | 5.00 | 61.2 | 61.2 | 61.2 |
| t082_B | toetspunt | 175169.80 | 387484.45 | 8.00 | 62.3 | 62.3 | 62.3 |
| t082_D | toetspunt | 175169.80 | 387484.45 | 11.00 | 65.6 | 65.6 | 65.6 |
| t083_A | toetspunt | 175176.37 | 387482.69 | 5.00 | 63.9 | 63.9 | 63.9 |
| t083_B | toetspunt | 175176.37 | 387482.69 | 8.00 | 64.9 | 64.9 | 64.9 |
| t083_D | toetspunt | 175176.37 | 387482.69 | 11.00 | 68.4 | 68.4 | 68.4 |
| t084_A | toetspunt | 175182.93 | 387480.93 | 2.00 | 65.2 | 65.2 | 65.2 |
| t084_B | toetspunt | 175182.93 | 387480.93 | 5.00 | 68.5 | 68.5 | 68.5 |
| t084_C | toetspunt | 175182.93 | 387480.93 | 8.00 | 69.7 | 69.7 | 69.7 |
| t084_D | toetspunt | 175182.93 | 387480.93 | 11.00 | 70.9 | 70.9 | 70.9 |
| t085_A | toetspunt | 175192.12 | 387478.47 | 2.00 | 67.3 | 67.3 | 67.3 |
| t085_B | toetspunt | 175192.12 | 387478.47 | 5.00 | 68.9 | 68.9 | 68.9 |
| t085_C | toetspunt | 175192.12 | 387478.47 | 8.00 | 70.1 | 70.1 | 70.1 |
| t085_D | toetspunt | 175192.12 | 387478.47 | 11.00 | 71.2 | 71.2 | 71.2 |
| t085_E | toetspunt | 175192.12 | 387478.47 | 14.00 | 71.2 | 71.2 | 71.2 |
| t086_A | toetspunt | 175197.50 | 387473.11 | 2.00 | 74.8 | 74.8 | 74.8 |
| t086_B | toetspunt | 175197.50 | 387473.11 | 5.00 | 76.2 | 76.2 | 76.2 |
| t086_C | toetspunt | 175197.50 | 387473.11 | 8.00 | 77.5 | 77.5 | 77.5 |
| t086_D | toetspunt | 175197.50 | 387473.11 | 11.00 | 78.4 | 78.4 | 78.4 |
| t086_E | toetspunt | 175197.50 | 387473.11 | 14.00 | 78.4 | 78.4 | 78.4 |
| t087_A | toetspunt | 175194.51 | 387462.12 | 5.00 | 77.3 | 77.3 | 77.3 |
| t087_B | toetspunt | 175194.51 | 387462.12 | 8.00 | 78.7 | 78.7 | 78.7 |
| t087_C | toetspunt | 175194.51 | 387462.12 | 11.00 | 79.2 | 79.2 | 79.2 |
| t087_D | toetspunt | 175194.51 | 387462.12 | 14.00 | 79.1 | 79.1 | 79.1 |
| t088_A | toetspunt | 175192.92 | 387456.25 | 2.00 | 76.0 | 76.0 | 76.0 |
| t088_B | toetspunt | 175192.92 | 387456.25 | 5.00 | 77.9 | 77.9 | 77.9 |
| t088_C | toetspunt | 175192.92 | 387456.25 | 8.00 | 79.4 | 79.4 | 79.4 |
| t088_D | toetspunt | 175192.92 | 387456.25 | 11.00 | 79.6 | 79.6 | 79.6 |
| t088_E | toetspunt | 175192.92 | 387456.25 | 14.00 | 79.6 | 79.6 | 79.6 |
| t089_A | toetspunt | 175191.04 | 387449.33 | 2.00 | 76.8 | 76.8 | 76.8 |
| t089_B | toetspunt | 175191.04 | 387449.33 | 5.00 | 78.7 | 78.7 | 78.7 |
| t089_C | toetspunt | 175191.04 | 387449.33 | 8.00 | 80.2 | 80.2 | 80.2 |
| t089_D | toetspunt | 175191.04 | 387449.33 | 11.00 | 80.2 | 80.2 | 80.2 |
| t089_E | toetspunt | 175191.04 | 387449.33 | 14.00 | 80.1 | 80.1 | 80.1 |
| t090_A | toetspunt | 175189.33 | 387443.03 | 2.00 | 77.5 | 77.5 | 77.5 |
| t090_B | toetspunt | 175189.33 | 387443.03 | 5.00 | 79.6 | 79.6 | 79.6 |
| t090_C | toetspunt | 175189.33 | 387443.03 | 8.00 | 80.8 | 80.8 | 80.8 |
| t090_D | toetspunt | 175189.33 | 387443.03 | 11.00 | 80.7 | 80.7 | 80.7 |
| t090_E | toetspunt | 175189.33 | 387443.03 | 14.00 | 80.7 | 80.7 | 80.7 |
| t091_A | toetspunt | 175187.69 | 387437.00 | 2.00 | 78.4 | 78.4 | 78.4 |
| t091_B | toetspunt | 175187.69 | 387437.00 | 5.00 | 80.5 | 80.5 | 80.5 |
| t091_C | toetspunt | 175187.69 | 387437.00 | 8.00 | 81.3 | 81.3 | 81.3 |
| t091_D | toetspunt | 175187.69 | 387437.00 | 11.00 | 81.3 | 81.3 | 81.3 |
| t091_E | toetspunt | 175187.69 | 387437.00 | 14.00 | 81.2 | 81.2 | 81.2 |
| t092_A | toetspunt | 175185.90 | 387430.41 | 5.00 | 81.7 | 81.7 | 81.7 |
| t092_B | toetspunt | 175185.90 | 387430.41 | 8.00 | 82.1 | 82.1 | 82.1 |

Alle getoonde dB-waarden zijn A-gewogen

Rapport: Resultatentabel
Model: industrielawaai sirenegeluid
LAmax totaalresultaten voor toetspunten
Groep: (hoofdgroep)

| Naam Toetspunt | Omschrijving | X | Y | Hoogte | Dag | Avond | Nacht |
|---|---|---|---|---|---|---|---|
| t092_C | toetspunt | 175185.90 | 387430.41 | 11.00 | 82.0 | 82.0 | 82.0 |
| t092_D | toetspunt | 175185.90 | 387430.41 | 14.00 | 82.0 | 82.0 | 82.0 |
| t093_A | toetspunt | 175184.23 | 387424.23 | 2.00 | 80.6 | 80.6 | 80.6 |
| t093_B | toetspunt | 175184.23 | 387424.23 | 5.00 | 83.0 | 83.0 | 83.0 |
| t093_C | toetspunt | 175184.23 | 387424.23 | 8.00 | 82.9 | 82.9 | 82.9 |
| t093_D | toetspunt | 175184.23 | 387424.23 | 11.00 | 82.9 | 82.9 | 82.9 |
| t093_E | toetspunt | 175184.23 | 387424.23 | 14.00 | 82.8 | 82.8 | 82.8 |
| t094_A | toetspunt | 175182.38 | 387417.44 | 2.00 | 82.0 | 82.0 | 82.0 |
| t094_B | toetspunt | 175182.38 | 387417.44 | 5.00 | 84.1 | 84.1 | 84.1 |
| t094_C | toetspunt | 175182.38 | 387417.44 | 8.00 | 84.0 | 84.0 | 84.0 |
| t094_D | toetspunt | 175182.38 | 387417.44 | 11.00 | 83.9 | 83.9 | 83.9 |
| t094_E | toetspunt | 175182.38 | 387417.44 | 14.00 | 83.8 | 83.8 | 83.8 |
| t095_A | toetspunt | 175179.68 | 387407.50 | 2.00 | 84.4 | 84.4 | 84.4 |
| t095_B | toetspunt | 175179.68 | 387407.50 | 5.00 | 85.8 | 85.8 | 85.8 |
| t095_C | toetspunt | 175179.68 | 387407.50 | 8.00 | 85.7 | 85.7 | 85.7 |
| t095_D | toetspunt | 175179.68 | 387407.50 | 11.00 | 85.6 | 85.6 | 85.6 |
| t095_E | toetspunt | 175179.68 | 387407.50 | 14.00 | 85.4 | 85.4 | 85.4 |
| t096_A | toetspunt | 175174.84 | 387402.95 | 2.00 | 86.4 | 86.4 | 86.4 |
| t096_B | toetspunt | 175174.84 | 387402.95 | 5.00 | 87.2 | 87.2 | 87.2 |
| t096_C | toetspunt | 175174.84 | 387402.95 | 8.00 | 87.0 | 87.0 | 87.0 |
| t096_D | toetspunt | 175174.84 | 387402.95 | 11.00 | 86.9 | 86.9 | 86.9 |
| t096_E | toetspunt | 175174.84 | 387402.95 | 14.00 | 86.7 | 86.7 | 86.7 |
| t097_A | toetspunt | 175162.66 | 387406.25 | 5.00 | 87.1 | 87.1 | 87.1 |
| t097_B | toetspunt | 175162.66 | 387406.25 | 8.00 | 87.1 | 87.1 | 87.1 |
| t097_C | toetspunt | 175162.66 | 387406.25 | 11.00 | 86.9 | 86.9 | 86.9 |
| t098_A | toetspunt | 175156.28 | 387407.98 | 5.00 | 87.2 | 87.2 | 87.2 |
| t098_B | toetspunt | 175156.28 | 387407.98 | 8.00 | 87.0 | 87.0 | 87.0 |
| t098_C | toetspunt | 175156.28 | 387407.98 | 11.00 | 86.9 | 86.9 | 86.9 |
| t099_A | toetspunt | 175150.00 | 387409.69 | 5.00 | 87.1 | 87.1 | 87.1 |
| t099_B | toetspunt | 175150.00 | 387409.69 | 8.00 | 87.0 | 87.0 | 87.0 |
| t099_C | toetspunt | 175150.00 | 387409.69 | 11.00 | 86.9 | 86.9 | 86.9 |
| t100_A | toetspunt | 175147.83 | 387416.01 | 5.00 | 86.0 | 86.0 | 86.0 |
| t100_B | toetspunt | 175147.83 | 387416.01 | 8.00 | 85.9 | 85.9 | 85.9 |
| t100_C | toetspunt | 175147.83 | 387416.01 | 11.00 | 85.8 | 85.8 | 85.8 |
| t201_A | tuin | 175125.24 | 387505.20 | 1.50 | 62.4 | 62.4 | 62.4 |
| t202_A | tuin | 175158.56 | 387498.08 | 1.50 | 58.4 | 58.4 | 58.4 |
| t203_A | tuin | 175195.06 | 387486.72 | 1.50 | 66.8 | 66.8 | 66.8 |

Alle getoonde dB-waarden zijn A-gewogen

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t001_A | 2 | 60.2 | 27.2 | 83.2 | 56.0 |
| t001_B | 5 | 63.9 | 30.9 | 84.9 | 54.0 |
| t001_C | 8 | 64.4 | 31.4 | 84.8 | 53.4 |
| t001_D | 11 | 64.7 | 31.7 | 84.7 | 53.0 |
| t001_E | 14 | 65.0 | 32.0 | 84.6 | 52.6 |
| t002_A | 2 | 58.1 | 25.1 | 81.6 | 56.5 |
| t002_B | 5 | 62.0 | 29.0 | 83.8 | 54.8 |
| t002_C | 8 | 63.2 | 30.2 | 83.7 | 53.5 |
| t002_D | 11 | 63.6 | 30.6 | 83.6 | 53.0 |
| t002_E | 14 | 64.0 | 31.0 | 83.5 | 52.5 |
| t003_A | 2 | 56.5 | 23.5 | 80.2 | 56.7 |
| t003_B | 5 | 60.3 | 27.3 | 82.7 | 55.4 |
| t003_C | 8 | 62.1 | 29.1 | 82.7 | 53.6 |
| t003_D | 11 | 62.6 | 29.6 | 82.6 | 53.0 |
| t003_E | 14 | 63.0 | 30.0 | 82.5 | 52.5 |
| t004_A | 5 | 59.0 | 26.0 | 81.4 | 55.4 |
| t004_B | 8 | 60.8 | 27.8 | 81.8 | 54.0 |
| t004_C | 11 | 61.6 | 28.6 | 81.8 | 53.2 |
| t004_D | 14 | 62.0 | 29.0 | 81.7 | 52.7 |
| t005_A | 2 | 54.5 | 21.5 | 78 | 56.5 |
| t005_B | 5 | 57.9 | 24.9 | 80.2 | 55.3 |
| t005_C | 8 | 59.6 | 26.6 | 81 | 54.4 |
| t005_D | 11 | 60.7 | 27.7 | 81 | 53.3 |
| t005_E | 14 | 61.1 | 28.1 | 80.9 | 52.8 |
| t006_A | 2 | 54.0 | 21.0 | 77.1 | 56.1 |
| t006_B | 5 | 56.9 | 23.9 | 79.1 | 55.2 |
| t006_C | 8 | 58.5 | 25.5 | 80.3 | 54.8 |
| t006_D | 11 | 59.8 | 26.8 | 80.3 | 53.5 |
| t006_E | 14 | 60.4 | 27.4 | 80.2 | 52.8 |
| t007_A | 2 | 53.7 | 20.7 | 76.2 | 55.5 |
| t007_B | 5 | 56.2 | 23.2 | 78.1 | 54.9 |
| t007_C | 8 | 57.8 | 24.8 | 79.7 | 54.9 |
| t007_D | 11 | 58.9 | 25.9 | 79.6 | 53.7 |
| t007_E | 14 | 59.8 | 26.8 | 79.6 | 52.8 |
| t007_F | 17 | 60.5 | 27.5 | 79.5 | 52.0 |
| t007_Z_A | 20 | 60.9 | 27.9 | 79.5 | 51.6 |
| t008_A | 5 | 54.4 | 21.4 | 78.7 | 57.3 |
| t008_B | 8 | 56.2 | 23.2 | 80.2 | 57.0 |
| t008_C | 11 | 57.1 | 24.1 | 80.6 | 56.5 |
| t008_D | 14 | 58.3 | 25.3 | 80.6 | 55.3 |
| t008_E | 17 | 59.2 | 26.2 | 80.6 | 54.4 |
| t008_F | 20 | 59.9 | 26.9 | 80.5 | 53.6 |
| t009_A | 5 | 52.3 | 19.3 | 59.5 | 39.5 |
| t009_B | 8 | 53.2 | 20.2 | 60.9 | 40.7 |
| t009_C | 11 | 53.6 | 20.6 | 61.5 | 40.9 |
| t009_D | 14 | 54.0 | 21.0 | 64.1 | 43.1 |
| t009_E | 17 | 54.0 | 21.0 | 68.1 | 47.1 |
| t009_F | 20 | 53.9 | 20.9 | 70.1 | 49.2 |
| t010_A | 5 | 52.5 | 19.5 | 59.5 | 39.5 |
| t010_B | 8 | 53.4 | 20.4 | 60.9 | 40.5 |
| t010_C | 11 | 53.8 | 20.8 | 61.4 | 40.6 |
| t010_D | 14 | 54.1 | 21.1 | 61.5 | 40.4 |
| t010_E | 17 | 54.2 | 21.2 | 67.8 | 46.6 |
| t010_F | 20 | 54.1 | 21.1 | 69.9 | 48.8 |
| t011_A | 5 | 53.0 | 20.0 | 59.5 | 39.5 |
| t011_B | 8 | 53.9 | 20.9 | 59.3 | 38.4 |
| t011_C | 11 | 54.3 | 21.3 | 59.9 | 38.6 |
| t011_D | 14 | 54.6 | 21.6 | 59.9 | 38.3 |
| t011_E | 17 | 54.6 | 21.6 | 67.1 | 45.5 |
| t011_F | 20 | 54.5 | 21.5 | 67.8 | 46.3 |
| t012_B | 5 | 53.7 | 20.7 | 59.5 | 38.8 |
| t012_C | 8 | 54.5 | 21.5 | 60.9 | 39.4 |
| t012_D | 11 | 54.8 | 21.8 | 61.4 | 39.6 |
| t012_E | 14 | 55.0 | 22.0 | 61.3 | 39.3 |
| t013_B | 5 | 54.5 | 21.5 | 59.2 | 37.7 |
| t013_C | 8 | 55.1 | 22.1 | 60.6 | 38.5 |
| t013_D | 11 | 55.3 | 22.3 | 61.1 | 38.8 |
| t013_E | 14 | 55.4 | 22.4 | 60.9 | 38.5 |
| t014_A | 2 | 53.8 | 20.8 | 63.5 | 42.7 |
| t014_B | 5 | 55.6 | 22.6 | 58.8 | 36.2 |
| t014_C | 8 | 56.0 | 23.0 | 60.2 | 37.2 |
| t014_D | 11 | 56.1 | 23.1 | 60.8 | 37.7 |
| t014_E | 14 | 56.1 | 23.1 | 60.8 | 37.7 |
| t015_A | 2 | 58.6 | 25.6 | 76.5 | 50.9 |
| t015_B | 5 | 60.9 | 27.9 | 77.7 | 49.8 |
| t015_C | 8 | 61.7 | 28.7 | 79 | 50.3 |
| t015_D | 11 | 62.3 | 29.3 | 79.9 | 50.6 |
| t015_E | 14 | 62.4 | 29.4 | 80.2 | 50.8 |

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t016_A | 5 | 61.1 | 28.1 | 78.3 | 50.2 |
| t016_B | 8 | 61.9 | 28.9 | 79.8 | 50.9 |
| t016_C | 11 | 62.5 | 29.5 | 80.8 | 51.3 |
| t016_D | 14 | 62.5 | 29.5 | 80.8 | 51.3 |
| t017_A | 5 | 61.2 | 28.2 | 79.1 | 50.9 |
| t017_B | 8 | 62.1 | 29.1 | 80.6 | 51.5 |
| t017_C | 11 | 62.7 | 29.7 | 80.9 | 51.2 |
| t017_D | 14 | 62.8 | 29.8 | 80.9 | 51.1 |
| t018_A | 5 | 61.5 | 28.5 | 80 | 51.5 |
| t018_B | 8 | 62.7 | 29.7 | 81.3 | 51.6 |
| t018_C | 11 | 63.1 | 30.1 | 81.4 | 51.3 |
| t018_D | 14 | 63.2 | 30.2 | 81.3 | 51.1 |
| t019_A | 5 | 61.8 | 28.8 | 81 | 52.2 |
| t019_B | 8 | 63.1 | 30.1 | 81.9 | 51.8 |
| t019_C | 11 | 63.4 | 30.4 | 81.9 | 51.5 |
| t019_D | 14 | 63.5 | 30.5 | 81.8 | 51.3 |
| t020_A | 5 | 62.3 | 29.3 | 81.4 | 52.1 |
| t020_B | 8 | 63.7 | 30.7 | 82.5 | 51.8 |
| t020_C | 11 | 63.9 | 30.9 | 82.4 | 51.5 |
| t020_D | 14 | 64.1 | 31.1 | 82.4 | 51.3 |
| t021_A | 5 | 62.9 | 29.9 | 82.8 | 52.9 |
| t021_B | 8 | 64.1 | 31.1 | 83.1 | 52.0 |
| t021_C | 11 | 64.4 | 31.4 | 83 | 51.6 |
| t021_D | 14 | 65.0 | 32.0 | 83 | 51.0 |
| t021_E | 17 | 65.0 | 32.0 | 82.9 | 50.9 |
| t021_F | 20 | 65.2 | 32.2 | 82.8 | 50.6 |
| t022_A | 5 | 64.6 | 31.6 | 84.8 | 53.2 |
| t022_B | 8 | 65.3 | 32.3 | 84.8 | 52.5 |
| t022_C | 11 | 66.0 | 33.0 | 84.6 | 51.6 |
| t022_D | 14 | 66.2 | 33.2 | 84.5 | 51.3 |
| t022_E | 17 | 66.3 | 33.3 | 84.3 | 51.0 |
| t022_F | 20 | 66.5 | 33.5 | 84.1 | 50.6 |
| t023_A | 5 | 67.1 | 34.1 | 85.7 | 51.6 |
| t023_B | 8 | 68.5 | 35.5 | 85.6 | 50.1 |
| t023_C | 11 | 68.7 | 35.7 | 85.4 | 49.7 |
| t023_D | 14 | 68.8 | 35.8 | 85.2 | 49.4 |
| t023_E | 17 | 69.1 | 36.1 | 85 | 48.9 |
| t023_F | 20 | 69.2 | 36.2 | 84.8 | 48.6 |
| t024_A | 5 | 67.0 | 34.0 | 85.5 | 51.5 |
| t024_B | 8 | 68.4 | 35.4 | 85.4 | 50.0 |
| t024_C | 11 | 68.6 | 35.6 | 85.3 | 49.7 |
| t024_D | 14 | 68.8 | 35.8 | 85.1 | 49.3 |
| t024_E | 17 | 69.0 | 36.0 | 84.9 | 48.9 |
| t024_F | 20 | 69.1 | 36.1 | 84.7 | 48.6 |
| t025_A | 5 | 66.9 | 33.9 | 85.4 | 51.5 |
| t025_B | 8 | 68.1 | 35.1 | 85.3 | 50.2 |
| t025_C | 11 | 68.5 | 35.5 | 85.2 | 49.7 |
| t025_D | 14 | 68.7 | 35.7 | 85 | 49.3 |
| t025_E | 17 | 68.9 | 35.9 | 84.8 | 48.9 |
| t025_F | 20 | 69.1 | 36.1 | 84.6 | 48.5 |
| t026_A | 5 | 66.9 | 33.9 | 85.5 | 51.6 |
| t026_B | 8 | 68.1 | 35.1 | 85.4 | 50.3 |
| t026_C | 11 | 68.4 | 35.4 | 85.2 | 49.8 |
| t026_D | 14 | 68.6 | 35.6 | 85 | 49.4 |
| t027_A | 5 | 67.0 | 34.0 | 85.5 | 51.5 |
| t027_B | 8 | 68.0 | 35.0 | 85.4 | 50.4 |
| t027_C | 11 | 68.4 | 35.4 | 85.3 | 49.9 |
| t027_D | 14 | 68.6 | 35.6 | 85.1 | 49.5 |
| t028_A | 2 | 63.8 | 30.8 | 84.1 | 53.3 |
| t028_B | 5 | 67.2 | 34.2 | 85.5 | 51.3 |
| t028_C | 8 | 68.0 | 35.0 | 85.4 | 50.4 |
| t028_D | 11 | 68.4 | 35.4 | 85.3 | 49.9 |
| t028_E | 14 | 68.6 | 35.6 | 85.1 | 49.5 |
| t029_A | 5 | 41.1 | 20.0 | 64.3 | 44.3 |
| t029_B | 8 | 42.9 | 20.0 | 64.2 | 44.2 |
| t029_C | 11 | 43.7 | 20.0 | 64.1 | 44.1 |
| t029_D | 14 | 45.9 | 20.0 | 64 | 44.0 |
| t029_E | 17 | 46.9 | 20.0 | 67.2 | 47.2 |
| t029_F | 20 | 48.1 | 20.0 | 67.8 | 47.8 |
| t030_A | 5 | 41.1 | 20.0 | 66.1 | 46.1 |
| t030_B | 8 | 41.8 | 20.0 | 66.1 | 46.1 |
| t030_C | 11 | 43.4 | 20.0 | 66 | 46.0 |
| t030_D | 14 | 46.1 | 20.0 | 66 | 46.0 |
| t031_A | 5 | 41.0 | 20.0 | 64.4 | 44.4 |
| t031_B | 8 | 41.7 | 20.0 | 64.6 | 44.6 |
| t031_C | 11 | 43.3 | 20.0 | 64.6 | 44.6 |
| t031_D | 14 | 46.4 | 20.0 | 64.8 | 44.8 |
| t032_A | 2 | 43.7 | 20.0 | 62.3 | 42.3 |

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t032_B | 5 | 44.2 | 20.0 | 64.3 | 44.3 |
| t032_C | 8 | 44.7 | 20.0 | 64.3 | 44.3 |
| t032_D | 11 | 45.9 | 20.0 | 64.2 | 44.2 |
| t032_E | 14 | 50.0 | 20.0 | 64.3 | 44.3 |
| t033_A | 2 | 43.7 | 20.0 | 62 | 42.0 |
| t033_B | 5 | 44.3 | 20.0 | 64.2 | 44.2 |
| t033_C | 8 | 45.3 | 20.0 | 64.7 | 44.7 |
| t033_D | 11 | 47.1 | 20.0 | 64.6 | 44.6 |
| t033_E | 14 | 50.5 | 20.0 | 64.8 | 44.8 |
| t034_A | 5 | 44.5 | 20.0 | 64 | 44.0 |
| t034_B | 8 | 45.6 | 20.0 | 64.2 | 44.2 |
| t034_C | 11 | 47.5 | 20.0 | 64.2 | 44.2 |
| t034_D | 14 | 50.4 | 20.0 | 64.3 | 44.3 |
| t035_A | 2 | 43.9 | 20.0 | 62 | 42.0 |
| t035_B | 5 | 44.6 | 20.0 | 63.2 | 43.2 |
| t035_C | 8 | 46.0 | 20.0 | 63.5 | 43.5 |
| t035_D | 11 | 47.9 | 20.0 | 63.6 | 43.6 |
| t035_E | 14 | 50.5 | 20.0 | 64.2 | 44.2 |
| t036_A | 2 | 43.9 | 20.0 | 61.4 | 41.4 |
| t036_B | 5 | 44.7 | 20.0 | 62.8 | 42.8 |
| t036_C | 8 | 46.1 | 20.0 | 64 | 44.0 |
| t036_D | 11 | 48.0 | 20.0 | 63.9 | 43.9 |
| t036_E | 14 | 50.9 | 20.0 | 63.9 | 43.9 |
| t037_A | 2 | 44.0 | 20.0 | 60.9 | 40.9 |
| t037_B | 5 | 44.7 | 20.0 | 62.6 | 42.6 |
| t037_C | 8 | 46.8 | 20.0 | 64.1 | 44.1 |
| t037_D | 11 | 48.2 | 20.0 | 64.1 | 44.1 |
| t037_E | 14 | 51.7 | 20.0 | 64.1 | 44.1 |
| t037_F | 17 | 53.3 | 20.3 | 67.9 | 47.6 |
| t037_Z_A | 20 | 56.7 | 23.7 | 74.6 | 50.9 |
| t038_A | 5 | 46.0 | 20.0 | 60.5 | 40.5 |
| t038_B | 8 | 47.8 | 20.0 | 62.1 | 42.1 |
| t038_C | 11 | 49.1 | 20.0 | 62.3 | 42.3 |
| t038_D | 14 | 53.0 | 20.0 | 64.8 | 44.8 |
| t038_E | 17 | 54.8 | 21.8 | 68.1 | 46.3 |
| t038_F | 20 | 58.0 | 25.0 | 76.9 | 51.9 |
| t039_B | 5 | 46.0 | 20.0 | 60.5 | 40.5 |
| t039_C | 8 | 47.3 | 20.0 | 62.1 | 42.1 |
| t039_D | 11 | 49.4 | 20.0 | 62.5 | 42.5 |
| t039_E | 14 | 52.4 | 20.0 | 64.4 | 44.4 |
| t040_B | 5 | 46.0 | 20.0 | 60.4 | 40.4 |
| t040_C | 8 | 47.2 | 20.0 | 62 | 42.0 |
| t040_D | 11 | 49.2 | 20.0 | 62.2 | 42.2 |
| t040_E | 14 | 52.8 | 20.0 | 63.5 | 43.5 |
| t041_A | 5 | 44.9 | 20.0 | 60.4 | 40.4 |
| t041_B | 8 | 46.2 | 20.0 | 62 | 42.0 |
| t041_C | 11 | 48.2 | 20.0 | 62.3 | 42.3 |
| t041_D | 14 | 51.0 | 20.0 | 66.4 | 46.4 |
| t042_A | 5 | 44.9 | 20.0 | 61 | 41.0 |
| t042_B | 8 | 46.2 | 20.0 | 62.6 | 42.6 |
| t042_C | 11 | 48.3 | 20.0 | 62.7 | 42.7 |
| t042_D | 14 | 51.1 | 20.0 | 63.2 | 43.2 |
| t043_A | 5 | 44.8 | 20.0 | 61.7 | 41.7 |
| t043_B | 8 | 46.1 | 20.0 | 62.9 | 42.9 |
| t043_C | 11 | 48.1 | 20.0 | 62.9 | 42.9 |
| t043_D | 14 | 51.0 | 20.0 | 63.5 | 43.5 |
| t044_A | 5 | 44.6 | 20.0 | 61.7 | 41.7 |
| t044_B | 8 | 45.8 | 20.0 | 62.6 | 42.6 |
| t044_C | 11 | 47.8 | 20.0 | 62.8 | 42.8 |
| t044_D | 14 | 50.5 | 20.0 | 63.7 | 43.7 |
| t045_A | 5 | 44.5 | 20.0 | 62.6 | 42.6 |
| t045_B | 8 | 45.5 | 20.0 | 63.1 | 43.1 |
| t045_C | 11 | 47.5 | 20.0 | 63 | 43.0 |
| t045_D | 14 | 49.9 | 20.0 | 63.6 | 43.6 |
| t046_A | 5 | 44.4 | 20.0 | 63.6 | 43.6 |
| t046_B | 8 | 45.7 | 20.0 | 63.6 | 43.6 |
| t046_C | 11 | 46.8 | 20.0 | 63.6 | 43.6 |
| t046_D | 14 | 49.5 | 20.0 | 63.5 | 43.5 |
| t046_E | 17 | 52.8 | 20.0 | 71.7 | 51.7 |
| t046_F | 20 | 56.5 | 23.5 | 77.8 | 54.3 |
| t047_A | 17 | 58.4 | 25.4 | 77.1 | 51.7 |
| t047_B | 20 | 61.6 | 28.6 | 79.3 | 50.7 |
| t048_A | 17 | 54.8 | 21.8 | 68.1 | 46.3 |
| t048_B | 20 | 57.4 | 24.4 | 77.9 | 53.5 |
| t049_A | 17 | 51.3 | 20.0 | 63.6 | 43.6 |
| t049_B | 20 | 55.8 | 22.8 | 70 | 47.2 |
| t050_A | 17 | 62.7 | 29.7 | 80.8 | 51.1 |
| t050_B | 20 | 65.2 | 32.2 | 83.9 | 51.7 |

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t051_A | 5 | 51.0 | 20.0 | 74 | 54.0 |
| t051_B | 8 | 51.7 | 20.0 | 74 | 54.0 |
| t051_C | 11 | 51.3 | 20.0 | 74 | 54.0 |
| t052_A | 5 | 50.8 | 20.0 | 74 | 54.0 |
| t052_B | 8 | 51.5 | 20.0 | 74 | 54.0 |
| t052_C | 11 | 51.3 | 20.0 | 74 | 54.0 |
| t053_A | 5 | 50.7 | 20.0 | 74.1 | 54.1 |
| t053_B | 8 | 51.4 | 20.0 | 74.1 | 54.1 |
| t053_C | 11 | 51.3 | 20.0 | 74 | 54.0 |
| t054_A | 2 | 50.4 | 20.0 | 71.9 | 51.9 |
| t054_B | 5 | 51.7 | 20.0 | 73.3 | 53.3 |
| t054_C | 8 | 53.2 | 20.2 | 73.7 | 53.5 |
| t054_D | 11 | 54.7 | 21.7 | 73.8 | 52.1 |
| t054_E | 14 | 58.2 | 25.2 | 77.1 | 51.9 |
| t055_A | 2 | 52.1 | 20.0 | 74.3 | 54.3 |
| t055_B | 5 | 53.9 | 20.9 | 76.1 | 55.2 |
| t055_C | 8 | 55.2 | 22.2 | 77.6 | 55.4 |
| t055_D | 11 | 56.7 | 23.7 | 80.9 | 57.2 |
| t055_E | 14 | 58.7 | 25.7 | 77.1 | 51.4 |
| t056_A | 5 | 55.3 | 22.3 | 76.6 | 54.3 |
| t056_B | 8 | 56.6 | 23.6 | 77.7 | 54.1 |
| t056_C | 11 | 57.6 | 24.6 | 81.2 | 56.6 |
| t056_D | 14 | 58.7 | 25.7 | 78.3 | 52.6 |
| t057_A | 2 | 54.3 | 21.3 | 75.2 | 53.9 |
| t057_B | 5 | 55.9 | 22.9 | 76.7 | 53.8 |
| t057_C | 8 | 57.1 | 24.1 | 78.1 | 54.0 |
| t057_D | 11 | 58.0 | 25.0 | 79.2 | 54.2 |
| t057_E | 14.0 | 58.6 | 25.6 | 82.1 | 56.5 |
| t058_A | 2.0 | 54.2 | 21.2 | 77.8 | 56.6 |
| t058_B | 5.0 | 56.2 | 23.2 | 78.9 | 55.7 |
| t058_C | 8.0 | 57.4 | 24.4 | 80.4 | 56.0 |
| t058_D | 11.0 | 58.3 | 25.3 | 80.9 | 55.6 |
| t058_E | 14.0 | 58.5 | 25.5 | 81.8 | 56.3 |
| t059_A | 2.0 | 54.2 | 21.2 | 77.6 | 56.4 |
| t059_B | 5.0 | 56.2 | 23.2 | 78.6 | 55.4 |
| t059_C | 8.0 | 57.4 | 24.4 | 80 | 55.6 |
| t059_D | 11.0 | 58.4 | 25.4 | 80.7 | 55.3 |
| t059_E | 14.0 | 58.0 | 25.0 | 80.7 | 55.7 |
| t060_A | 2.0 | 54.2 | 21.2 | 77.5 | 56.3 |
| t060_B | 5.0 | 56.2 | 23.2 | 78.3 | 55.1 |
| t060_C | 8.0 | 57.4 | 24.4 | 79.7 | 55.3 |
| t060_D | 11.0 | 58.5 | 25.5 | 80.6 | 55.1 |
| t060_E | 14.0 | 57.8 | 24.8 | 78.9 | 54.1 |
| t061_A | 5.0 | 56.2 | 23.2 | 78.1 | 54.9 |
| t061_B | 8.0 | 57.3 | 24.3 | 79.4 | 55.1 |
| t061_C | 11.0 | 58.4 | 25.4 | 80.5 | 55.1 |
| t061_D | 14.0 | 58.0 | 25.0 | 80 | 55.0 |
| t062_A | 2.0 | 54.3 | 21.3 | 76.7 | 55.4 |
| t062_B | 5.0 | 56.3 | 23.3 | 77.7 | 54.4 |
| t062_C | 8.0 | 57.4 | 24.4 | 79 | 54.6 |
| t062_D | 11.0 | 58.5 | 25.5 | 80 | 54.5 |
| t063_A | 5.0 | 56.7 | 23.7 | 78.4 | 54.7 |
| t063_B | 8.0 | 58.0 | 25.0 | 79.8 | 54.8 |
| t063_D | 11.0 | 58.9 | 25.9 | 80.5 | 54.6 |
| t064_A | 5.0 | 56.7 | 23.7 | 78.5 | 54.8 |
| t064_B | 8.0 | 58.0 | 25.0 | 79.9 | 54.9 |
| t064_D | 11.0 | 59.0 | 26.0 | 80.4 | 54.4 |
| t065_A | 5.0 | 57.2 | 24.2 | 76.6 | 52.4 |
| t065_B | 8.0 | 58.6 | 25.6 | 78.1 | 52.5 |
| t065_D | 11.0 | 59.5 | 26.5 | 78.8 | 52.3 |
| t066_A | 5.0 | 57.6 | 24.6 | 76.7 | 52.1 |
| t066_B | 8.0 | 58.9 | 25.9 | 78.2 | 52.3 |
| t066_D | 11.0 | 59.8 | 26.8 | 78.9 | 52.1 |
| t067_A | 5.0 | 57.8 | 24.8 | 76.4 | 51.6 |
| t067_B | 8.0 | 59.2 | 26.2 | 77.9 | 51.7 |
| t068_A | 5.0 | 57.5 | 24.5 | 78.5 | 54.0 |
| t068_B | 8.0 | 59.0 | 26.0 | 79.9 | 53.9 |
| t069_A | 2.0 | 55.8 | 22.8 | 74.8 | 52.0 |
| t069_B | 5.0 | 57.8 | 24.8 | 76.2 | 51.4 |
| t069_C | 8.0 | 59.2 | 26.2 | 77.6 | 51.4 |
| t070_A | 2.0 | 56.0 | 23.0 | 74.5 | 51.5 |
| t070_B | 5.0 | 57.9 | 24.9 | 75.7 | 50.8 |
| t070_C | 8.0 | 59.2 | 26.2 | 77.1 | 50.9 |
| t071_A | 2.0 | 55.9 | 22.9 | 74.8 | 51.9 |
| t071_B | 5.0 | 57.6 | 24.6 | 76.2 | 51.6 |
| t071_C | 8.0 | 58.9 | 25.9 | 77.6 | 51.7 |
| t072_A | 2.0 | 55.8 | 22.8 | 75 | 52.2 |
| t072_B | 5.0 | 57.5 | 24.5 | 76.4 | 51.9 |

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t072_C | 8.0 | 58.8 | 25.8 | 77.8 | 52.0 |
| t073_A | 2.0 | 55.8 | 22.8 | 75.3 | 52.5 |
| t073_B | 5.0 | 56.8 | 23.8 | 76.4 | 52.6 |
| t073_C | 8.0 | 57.1 | 24.1 | 77.8 | 53.7 |
| t074_A | 2.0 | 52.5 | 20.0 | 68.9 | 48.9 |
| t074_B | 5.0 | 53.1 | 20.1 | 69.4 | 49.3 |
| t074_C | 8.0 | 52.5 | 20.0 | 70.5 | 50.5 |
| t075_A | 2.0 | 51.9 | 20.0 | 68.8 | 48.8 |
| t075_B | 5.0 | 52.6 | 20.0 | 69.3 | 49.3 |
| t075_C | 8.0 | 52.1 | 20.0 | 70.4 | 50.4 |
| t076_A | 2.0 | 51.3 | 20.0 | 62.2 | 42.2 |
| t076_B | 5.0 | 52.0 | 20.0 | 62.5 | 42.5 |
| t076_C | 8.0 | 51.6 | 20.0 | 63.6 | 43.6 |
| t077_A | 2.0 | 51.1 | 20.0 | 60.9 | 40.9 |
| t077_B | 5.0 | 51.8 | 20.0 | 61.3 | 41.3 |
| t077_C | 8.0 | 51.5 | 20.0 | 63 | 43.0 |
| t078_A | 5.0 | 51.7 | 20.0 | 60.5 | 40.5 |
| t078_B | 8.0 | 51.6 | 20.0 | 62.3 | 42.3 |
| t079_A | 5.0 | 51.5 | 20.0 | 59.5 | 39.5 |
| t079_B | 8.0 | 51.5 | 20.0 | 62.8 | 42.8 |
| t080_A | 5.0 | 51.4 | 20.0 | 59.8 | 39.8 |
| t080_B | 8.0 | 51.6 | 20.0 | 60.6 | 40.6 |
| t080_D | 11.0 | 51.9 | 20.0 | 67.5 | 47.5 |
| t081_A | 5.0 | 51.3 | 20.0 | 60 | 40.0 |
| t081_B | 8.0 | 51.6 | 20.0 | 61.3 | 41.3 |
| t081_D | 11.0 | 51.9 | 20.0 | 67.9 | 47.9 |
| t082_A | 5.0 | 51.4 | 20.0 | 61.2 | 41.2 |
| t082_B | 8.0 | 51.7 | 20.0 | 62.3 | 42.3 |
| t082_D | 11.0 | 52.0 | 20.0 | 65.6 | 45.6 |
| t083_A | 5.0 | 51.5 | 20.0 | 63.9 | 43.9 |
| t083_B | 8.0 | 51.8 | 20.0 | 64.9 | 44.9 |
| t083_D | 11.0 | 52.2 | 20.0 | 68.4 | 48.4 |
| t084_A | 2.0 | 50.9 | 20.0 | 65.2 | 45.2 |
| t084_B | 5.0 | 51.7 | 20.0 | 68.5 | 48.5 |
| t084_C | 8.0 | 51.9 | 20.0 | 69.7 | 49.7 |
| t084_D | 11.0 | 52.4 | 20.0 | 70.9 | 50.9 |
| t085_A | 2.0 | 51.1 | 20.0 | 67.3 | 47.3 |
| t085_B | 5.0 | 51.9 | 20.0 | 68.9 | 48.9 |
| t085_C | 8.0 | 52.2 | 20.0 | 70.1 | 50.1 |
| t085_D | 11.0 | 52.7 | 20.0 | 71.2 | 51.2 |
| t085_E | 14.0 | 53.2 | 20.2 | 71.2 | 51.0 |
| t086_A | 2.0 | 52.7 | 20.0 | 74.8 | 54.8 |
| t086_B | 5.0 | 54.2 | 21.2 | 76.2 | 55.0 |
| t086_C | 8.0 | 55.6 | 22.6 | 77.5 | 54.9 |
| t086_D | 11.0 | 56.6 | 23.6 | 78.4 | 54.8 |
| t086_E | 14.0 | 57.4 | 24.4 | 78.4 | 54.0 |
| t087_A | 5.0 | 54.5 | 21.5 | 77.3 | 55.8 |
| t087_B | 8.0 | 56.1 | 23.1 | 78.7 | 55.6 |
| t087_C | 11.0 | 57.1 | 24.1 | 79.2 | 55.1 |
| t087_D | 14.0 | 58.1 | 25.1 | 79.1 | 54.0 |
| t088_A | 2.0 | 52.7 | 20.0 | 76 | 56.0 |
| t088_B | 5.0 | 54.9 | 21.9 | 77.9 | 56.0 |
| t088_C | 8.0 | 56.6 | 23.6 | 79.4 | 55.8 |
| t088_D | 11.0 | 57.7 | 24.7 | 79.6 | 54.9 |
| t088_E | 14.0 | 58.7 | 25.7 | 79.6 | 53.9 |
| t089_A | 2.0 | 53.1 | 20.1 | 76.8 | 56.7 |
| t089_B | 5.0 | 55.7 | 22.7 | 78.7 | 56.0 |
| t089_C | 8.0 | 57.5 | 24.5 | 80.2 | 55.7 |
| t089_D | 11.0 | 58.7 | 25.7 | 80.2 | 54.5 |
| t089_E | 14.0 | 59.5 | 26.5 | 80.1 | 53.6 |
| t090_A | 2.0 | 53.5 | 20.5 | 77.5 | 57.0 |
| t090_B | 5.0 | 56.4 | 23.4 | 79.6 | 56.2 |
| t090_C | 8.0 | 58.2 | 25.2 | 80.8 | 55.6 |
| t090_D | 11.0 | 59.4 | 26.4 | 80.7 | 54.3 |
| t090_E | 14.0 | 60.1 | 27.1 | 80.7 | 53.6 |
| t091_A | 2.0 | 54.5 | 21.5 | 78.4 | 56.9 |
| t091_B | 5.0 | 57.7 | 24.7 | 80.5 | 55.8 |
| t091_C | 8.0 | 59.4 | 26.4 | 81.3 | 54.9 |
| t091_D | 11.0 | 60.5 | 27.5 | 81.3 | 53.8 |
| t091_E | 14.0 | 61.0 | 28.0 | 81.2 | 53.2 |
| t092_A | 5.0 | 58.8 | 25.8 | 81.7 | 55.9 |
| t092_B | 8.0 | 60.5 | 27.5 | 82.1 | 54.6 |
| t092_C | 11.0 | 61.4 | 28.4 | 82 | 53.6 |
| t092_D | 14.0 | 61.8 | 28.8 | 82 | 53.2 |
| t093_A | 2.0 | 56.0 | 23.0 | 80.6 | 57.6 |
| t093_B | 5.0 | 59.9 | 26.9 | 83 | 56.1 |
| t093_C | 8.0 | 61.6 | 28.6 | 82.9 | 54.3 |
| t093_D | 11.0 | 62.3 | 29.3 | 82.9 | 53.6 |

| toetspunt | toetshoogte (m) | gezamenlijk geluid (t.b.v. geluidwering) dB | Benodigde geluidwering (min. 20 dB) | piekgeluid sirene dB(A) | binnenniveau dB(A) |
|---|---|---|---|---|---|
| t093_E | 14.0 | 62.8 | 29.8 | 82.8 | 53.0 |
| t094_A | 2.0 | 57.4 | 24.4 | 82 | 57.6 |
| t094_B | 5.0 | 61.3 | 28.3 | 84.1 | 55.8 |
| t094_C | 8.0 | 63.1 | 30.1 | 84 | 53.9 |
| t094_D | 11.0 | 63.7 | 30.7 | 83.9 | 53.2 |
| t094_E | 14.0 | 64.1 | 31.1 | 83.8 | 52.7 |
| t095_A | 2.0 | 60.8 | 27.8 | 84.4 | 56.6 |
| t095_B | 5.0 | 64.5 | 31.5 | 85.8 | 54.3 |
| t095_C | 8.0 | 65.1 | 32.1 | 85.7 | 53.6 |
| t095_D | 11.0 | 65.4 | 32.4 | 85.6 | 53.2 |
| t095_E | 14.0 | 65.6 | 32.6 | 85.4 | 52.8 |
| t096_A | 2.0 | 66.4 | 33.4 | 86.4 | 53.0 |
| t096_B | 5.0 | 68.7 | 35.7 | 87.2 | 51.5 |
| t096_C | 8.0 | 69.0 | 36.0 | 87 | 51.0 |
| t096_D | 11.0 | 69.3 | 36.3 | 86.9 | 50.6 |
| t096_E | 14.0 | 69.4 | 36.4 | 86.7 | 50.3 |
| t097_A | 5.0 | 68.6 | 35.6 | 87.1 | 51.5 |
| t097_B | 8.0 | 68.9 | 35.9 | 87.1 | 51.2 |
| t097_C | 11.0 | 69.1 | 36.1 | 86.9 | 50.8 |
| t098_A | 5.0 | 68.6 | 35.6 | 87.2 | 51.6 |
| t098_B | 8.0 | 68.8 | 35.8 | 87 | 51.2 |
| t098_C | 11.0 | 69.1 | 36.1 | 86.9 | 50.8 |
| t099_A | 5.0 | 68.6 | 35.6 | 87.1 | 51.5 |
| t099_B | 8.0 | 68.8 | 35.8 | 87 | 51.2 |
| t099_C | 11.0 | 69.0 | 36.0 | 86.9 | 50.9 |
| t100_A | 5.0 | 64.4 | 31.4 | 86 | 54.6 |
| t100_B | 8.0 | 64.5 | 31.5 | 85.9 | 54.4 |
| t100_C | 11.0 | 64.9 | 31.9 | 85.8 | 53.9 |