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| product | Firetect® Air grill |
| omschrijving | brandwerend ventilatierooster |
| functie in gebruik | bouwproduct om luchtbehandeling voorziening bij brand af te dichten, teneinde voortijdige branddoorslag in brandscheidingen te voorkomen |
| certificering | getest vlg. EN 1364-5 + geclassificeerd vlg. EN 13501-2 |

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|---|---|
| bouwdeel ¹⁾ | |
| brandwerende wanden vlg. EN 1363-1 | <ul style="list-style-type: none"> - standaard flexibele wanden ≥ 100mm, bijv. 50mm MS profielen met aan 2 zijden min. 2x 12,5mm gipsplaat type F + isolatie: steenwol ≥ 50mm, densiteit ≥ 100 kg/m³ - standaard massieve wanden ≥ 100mm: (cellen) beton of steenachtig, min. densiteit 650 kg/m³ |
| brandwerende vloeren vlg. EN 1363-1 | <ul style="list-style-type: none"> - standaard massieve vloeren ≥ 150mm: (gas) beton, densiteit ≥ 650 kg/m³ |
| ¹⁾ de ondersteunende constructie moet geclassificeerd zijn vlg. EN 13501-2 voor de gestelde brandweerstand | |

| | | | |
|------------------------------------|-------------------------------|---------------|----------------|
| brandweerstand | | | |
| toepassingsgebied: | vlg. EN 13501-2 / 1364-5 | | |
| EI 60 t/m EI 120: Air grill | luchtdoorvoerroosters: | wanden | vloeren |
| - ventilatie roosters | ≤ 600x600mm | EI 60 | EI 120 |

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|---------------------------|---|
| gebruiksaanwijzing | |
| belangrijk | applicatie altijd vlg. TDS |
| gereedschap | kitspuit |
| voorbehandeling | <ul style="list-style-type: none"> - zorg dat service voorzieningen correct zijn verankerd met het bouwdeel aan elke zijde - bouwkundige sparing moet schoon, droog, stof- en vetvrij zijn; verwijder losse delen - ruwe oppervlakken en kieren <u>eerst</u> afkitten met Acrylic of PA sealer om rookwerendheid te verbeteren |
| applicatie | <p>voorziening luchtbehandeling</p> <ul style="list-style-type: none"> - positioneer air grill centraal in bouwdeel zo nodig, gebruik een hulpconstructie tbv fixatie - zet vast met Acrylic sealant voeg detail: breedte x air grill dikte <p>let op max. afm. sparing = nominale afm. grill + max. 10mm</p> |


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|---|---|
| aanvullende product info | Firetect® is een geregistreerd merk van KLF |
| schema's toepassingsgebied: | © KLF Building Products |
| - luchtbehandeling | disclaimer |
| Raadpleeg firetect.nl/downloads voor actuele versies; product ontwikkeling + brandtesten zijn doorlopende processen bij KLF. Neem contact op met KLF voor afwijkende EI eisen en (niet)standaard of complexe situaties; mail info@klf.nl | |

| specificaties | | Firetect® Air grill |
|---|--|---------------------|
| materiaal | ventilatie rooster met brandwerende componenten | |
| kleur | donkergrijs | |
| brandweerstand | EI 60 t/m EI 120, afhankelijk van toepassing en configuratie | |
|  getest vlg. | EN 1364-5 | |
| geclassificeerd vlg. | EN 13501-2 | |
| milieuprestaties | | |
| emissie gevaarlijke stoffen | geen: non-formaldehyde, non-asbestos | |
| gebruikscategorie | Z ₂ intern gebruik | |
| verwerkingscondities | tussen +5 °C en +30 °C, max. 70% RV | |
| expansie druk | 0.9 t/m 1.5N/mm ² | |
| debiet (pressure loss) | zie onder | |
| verpakking | per 1 stuks in doos | |
| opslag | sla droog op, tussen +5 °C en +30 °C, max. 70% RV, vermijd condensatie en UV | |
| houdbaarheid | onbeperkt, mits opslag vlg. instructies | |
| activeringstemperatuur | circa +110 °C | |
| vlampunt | nvt | |

| afmetingen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|----------------|-------------|-----------|-------------|-------------|----------|---------|---------|----------------|------|------|-------|---------|-----|-----|------|----|----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|-----|---------|-----|-----|------|----|-----|------|----------------|------------|------------|-------------|-----------|------------|-------------|---------|-----|-----|------|----|-----|------|---------|-----|-----|------|----|------|------|---------|-----|-----|------|----|------|------|---------|-----|-----|------|----|------|------|----------------|------------|------------|-------------|-----------|-------------|-------------|
| standaard maten, in mm | nominaal: 400x400mm + 600x600mm; werkelijke afm. zijn circa 3mm kleiner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| standaard dikte | 40 + 50 + 60 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stand van lamellen | recht of onder hoek (non-vision) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| op aanvraag | overige rechthoekige of ronde maten en andere kleuren | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pressure loss | <table border="1"> <thead> <tr> <th>height</th> <th>width</th> <th>area</th> <th>free area</th> <th>pressure</th> <th>pressure</th> </tr> <tr> <td>nom. mm</td> <td>nom. mm</td> <td>m²</td> <td>in %</td> <td>2 Pa</td> <td>10 Pa</td> </tr> </thead> <tbody> <tr><td>200x100</td><td>200</td><td>100</td><td>0,02</td><td>55</td><td>75</td><td>150</td></tr> <tr><td>300x100</td><td>300</td><td>100</td><td>0,03</td><td>57</td><td>100</td><td>225</td></tr> <tr><td>400x100</td><td>400</td><td>100</td><td>0,04</td><td>57</td><td>150</td><td>300</td></tr> <tr><td>300x200</td><td>300</td><td>200</td><td>0,06</td><td>60</td><td>225</td><td>475</td></tr> <tr><td>400x200</td><td>400</td><td>200</td><td>0,08</td><td>60</td><td>300</td><td>650</td></tr> <tr><td>500x200</td><td>500</td><td>200</td><td>0,10</td><td>61</td><td>375</td><td>800</td></tr> <tr><td>300x300</td><td>300</td><td>300</td><td>0,09</td><td>61</td><td>325</td><td>700</td></tr> <tr><td>400x300</td><td>400</td><td>300</td><td>0,12</td><td>62</td><td>450</td><td>950</td></tr> <tr><td>500x300</td><td>500</td><td>300</td><td>0,15</td><td>62</td><td>550</td><td>1100</td></tr> <tr><td>400x400</td><td>400</td><td>400</td><td>0,16</td><td>62</td><td>650</td><td>1350</td></tr> <tr><td>500x400</td><td>500</td><td>400</td><td>0,20</td><td>62</td><td>900</td><td>1900</td></tr> <tr><td>600x400</td><td>600</td><td>400</td><td>0,24</td><td>63</td><td>1350</td><td>2800</td></tr> <tr><td>500x500</td><td>500</td><td>500</td><td>0,25</td><td>63</td><td>1500</td><td>3000</td></tr> <tr><td>600x500</td><td>600</td><td>500</td><td>0,30</td><td>63</td><td>1900</td><td>3800</td></tr> <tr><td>600x600</td><td>600</td><td>600</td><td>0,36</td><td>63</td><td>2500</td><td>5200</td></tr> </tbody> </table> | height | width | area | free area | pressure | pressure | nom. mm | nom. mm | m ² | in % | 2 Pa | 10 Pa | 200x100 | 200 | 100 | 0,02 | 55 | 75 | 150 | 300x100 | 300 | 100 | 0,03 | 57 | 100 | 225 | 400x100 | 400 | 100 | 0,04 | 57 | 150 | 300 | 300x200 | 300 | 200 | 0,06 | 60 | 225 | 475 | 400x200 | 400 | 200 | 0,08 | 60 | 300 | 650 | 500x200 | 500 | 200 | 0,10 | 61 | 375 | 800 | 300x300 | 300 | 300 | 0,09 | 61 | 325 | 700 | 400x300 | 400 | 300 | 0,12 | 62 | 450 | 950 | 500x300 | 500 | 300 | 0,15 | 62 | 550 | 1100 | 400x400 | 400 | 400 | 0,16 | 62 | 650 | 1350 | 500x400 | 500 | 400 | 0,20 | 62 | 900 | 1900 | 600x400 | 600 | 400 | 0,24 | 63 | 1350 | 2800 | 500x500 | 500 | 500 | 0,25 | 63 | 1500 | 3000 | 600x500 | 600 | 500 | 0,30 | 63 | 1900 | 3800 | 600x600 | 600 | 600 | 0,36 | 63 | 2500 | 5200 |
| height | width | area | free area | pressure | pressure | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| nom. mm | nom. mm | m ² | in % | 2 Pa | 10 Pa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200x100 | 200 | 100 | 0,02 | 55 | 75 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300x100 | 300 | 100 | 0,03 | 57 | 100 | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400x100 | 400 | 100 | 0,04 | 57 | 150 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300x200 | 300 | 200 | 0,06 | 60 | 225 | 475 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400x200 | 400 | 200 | 0,08 | 60 | 300 | 650 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500x200 | 500 | 200 | 0,10 | 61 | 375 | 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300x300 | 300 | 300 | 0,09 | 61 | 325 | 700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400x300 | 400 | 300 | 0,12 | 62 | 450 | 950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500x300 | 500 | 300 | 0,15 | 62 | 550 | 1100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400x400 | 400 | 400 | 0,16 | 62 | 650 | 1350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500x400 | 500 | 400 | 0,20 | 62 | 900 | 1900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600x400 | 600 | 400 | 0,24 | 63 | 1350 | 2800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500x500 | 500 | 500 | 0,25 | 63 | 1500 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600x500 | 600 | 500 | 0,30 | 63 | 1900 | 3800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600x600 | 600 | 600 | 0,36 | 63 | 2500 | 5200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| bepalingen | - niet geschikt voor natte ruimtes |
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| transport & opslag | <ul style="list-style-type: none"> - tijdens transport: houd droog; pallets niet stapelen - sla droog op; bij voorkeur koel en donker - opslaan op vlakke grond; pallets niet stapelen - HS code: 28391900 |
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| gezondheid & veiligheid | <ul style="list-style-type: none"> - geen specifieke instructies - werk vlg. Arbo voorschriften en gebruik relevante PBM - dit product is conform CLP geclassificeerd als niet gevaarlijk vlg. Verordening 1272/2008 |  |
|------------------------------------|---|---|