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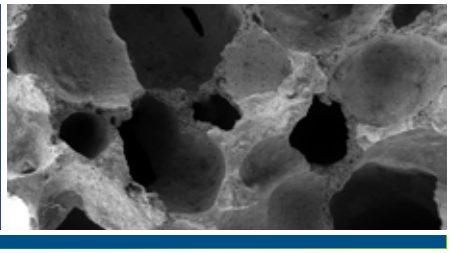
# Autoclaved Aerated Concrete (AAC) (p.1/3)

## Aluminium Powders - wettable

| Product Name | Particle Size $d_{50}$ *1 [µm] | Particle Size $d_{90}$ *1 [µm] | Bulk Density *2 [g/cm³] | Recommended Application Density [kg/m³] |
|---|---|---|---|---|
| **7002** | ~ 170 | ~ 300 | 0.23 - 0.29 | ≥ 600 |
| **7004** | ~ 85 | ~ 175 | 0.16 - 0.21 | ≥ 600 |
| **7009** | ~ 40 | ~ 95 | 0.11 - 0.15 | 500 - 600 |
| **7110** | ~ 35 | ~ 85 | 0.11 - 0.15 | 400 - 500 |
| **7112** | ~ 30 | ~ 70 | 0.11 - 0.15 | 400 - 500 |
| **7114** | ~ 28 | ~ 60 | 0.10 - 0.14 | ≤ 450 |
| **7210** | ~ 40 | ~ 70 | 0.11 - 0.15 | 400 - 500 |
| **7213** | ~ 30 | ~ 50 | 0.14 - 0.18 | ≤ 450 |
| **77213** | ~ 20 | ~ 50 | 0.14 - 0.18 | ≤ 450 |
| **77004** | ~ 70 | ~ 145 | 0.16 - 0.21 | ≥ 600 |
| **77007** | ~ 60 | ~ 130 | 0.16 - 0.21 | ≥ 500 |
| **77009** | ~ 40 | ~ 95 | 0.15 - 0.19 | 500 - 600 |
| **77010** | ~ 25 | ~ 65 | 0.13 - 0.17 | 400 - 500 |
| **77012** | ~ 23 | ~ 60 | 0.13 - 0.17 | 400 - 500 |
| **77013** | ~ 22 | ~ 52 | 0.12 - 0.16 | 350 - 500 |
| **77014** | ~ 21 | ~ 48 | 0.11 - 0.15 | 100 - 400 |
| **87007** | ~ 65 | ~ 120 | 0.12 - 0.16 | ≥ 500 |
| **87010** | ~ 35 | ~ 65 | 0.11 - 0.15 | 400 - 500 |
| **87012** | ~ 28 | ~ 55 | 0.12 - 0.16 | 400 - 500 |
| **87013** | ~ 25 | ~ 45 | 0.13 - 0.17 | ≤ 450 |
| **87014** | ~ 23 | ~ 45 | 0.11 - 0.15 | 100 - 400 |

All powders are available in reaction-delayed versions and are available as DEG-Pastes.

**Test Methods:** *1 AQSB-044 *2 AQSB-001



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# Autoclaved Aerated Concrete (AAC) (p.2/3)

## Aluminium Powders - not wettable

| Product Name | Particle Size $d_{50}$ *1 [µm] | Particle Size $d_{90}$ *1 [µm] | Bulk Density *2 [g/cm³] | Recommended Application Density [kg/m³] |
|---|---|---|---|---|
| **76004** | ~ 65 | ~ 135 | 0.10 - 0.20 | ≥ 500 |
| **76007** | ~ 50 | ~ 110 | 0.17 - 0.23 | ≥ 500 |
| **76010** | ~ 30 | ~ 70 | 0.14 - 0.18 | 400 - 500 |
| **76011** | ~ 25 | ~ 65 | 0.13 - 0.17 | 400 - 500 |
| **76013** | ~ 22 | ~ 50 | 0.13 - 0.17 | ≤ 450 |
| **76014** | ~ 21 | ~ 48 | 0.12 - 0.16 | ≤ 450 |
| **86013** | ~ 22 | ~ 45 | 0.13 - 0.18 | ≤ 450 |

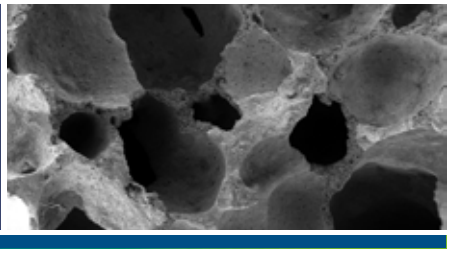
All powders are available in reaction-delayed versions and are available as DEG-Pastes.

## Waterborne Pastes - stabilised

| Product Name | Particle Size $d_{50}$ *1 [µm] | Particle Size $d_{90}$ *1 [µm] | Recommended Application Density [kg/m³] |
|---|---|---|---|
| **Aquapor 1000 series** | ~ 35 | ~ 110 | 500 - 600 |
| **Aquapor 3000 series** | ~ 25 | ~ 85 | 500 - 600 |
| **Aquapor 7000 series** | ~ 18 | ~ 50 | 400 - 500 |
| **Aquapor 9000 series** | ~ 15 | ~ 37 | ≤ 400 |
| **Aquapor 70004 series** | ~ 60 | ~ 125 | ≥ 600 |
| **Aquapor 70007 series** | ~ 45 | ~ 110 | ≥ 600 |
| **Aquapor 70010 series** | ~ 25 | ~ 65 | 400 - 500 |
| **Aquapor 70013 series** | ~ 20 | ~ 50 | 350 - 450 |

All pastes are available with different solid content and different reaction delay.

**Test Methods:** *1 AQSB-044 *2 AQSB-001



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# Autoclaved Aerated Concrete (AAC) (p.3/3)

## Solventborne Pastes (Diethylene Glycol) - stabilised

| Product Name | Particle Size $d_{50}$ *1 [µm] | Particle Size $d_{90}$ *1 [µm] | Recommended Application Density [kg/m³] |
|---|---|---|---|
| **DEG/1500 series** | ~ 35 | ~ 110 | 500 - 600 |
| **DEG/3500 series** | ~ 25 | ~ 85 | 500 - 600 |
| **DEG/7500 series** | ~ 18 | ~ 50 | 400 - 500 |
| **DEG/9500 series** | ~ 13 | ~ 37 | ≤ 400 |
| **DEG/75004 series** | ~ 60 | ~ 125 | ≥ 600 |
| **DEG/75007 series** | ~ 45 | ~ 110 | ≥ 600 |
| **DEG/75009 series** | ~ 40 | ~ 95 | ≥ 500 |
| **DEG/75010 series** | ~ 25 | ~ 65 | 400 - 500 |
| **DEG/75013 series** | ~ 20 | ~ 50 | 350 - 450 |

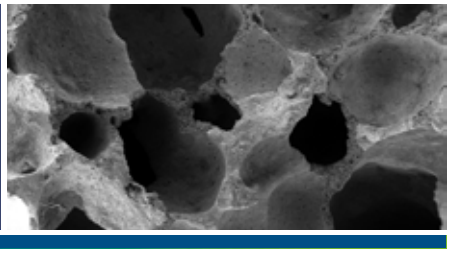
All pastes are available with different solid content and different reaction delay.

## Solventborne Pastes (Diethylene Glycol) from wettable powders - not stabilised

| Product Name | Particle Size $d_{50}$ *1 [µm] | Particle Size $d_{90}$ *1 [µm] | Recommended Application Density [kg/m³] |
|---|---|---|---|
| **DEG/77004/77** | ~ 70 | ~ 140 | ≥ 600 |
| **DEG/77007** | ~ 60 | ~ 130 | 500 - 600 |
| **DEG/77009** | ~ 40 | ~ 90 | 500 - 600 |
| **DEG/77010 series** | ~ 25 | ~ 65 | 400 - 500 |
| **DEG/77112** | ~ 25 | ~ 60 | 400 - 500 |
| **DEG/77013 series** | ~ 23 | ~ 50 | 350 - 500 |
| **DEG/77014 series** | ~ 22 | ~ 48 | ≤ 450 |
| **DEG/87116/65** | ~ 14 | ~ 30 | 100 - 400 |

All pastes are available with different solid content and different reaction delay.

**Test Method:** *1 AQSB-044



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