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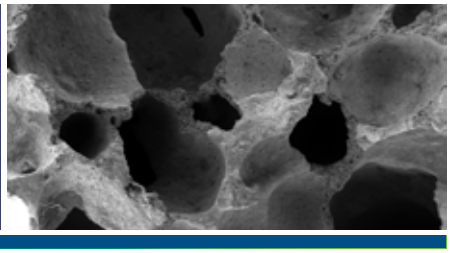
Autoclaved Aerated Concrete (AAC) (p.1/3)

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

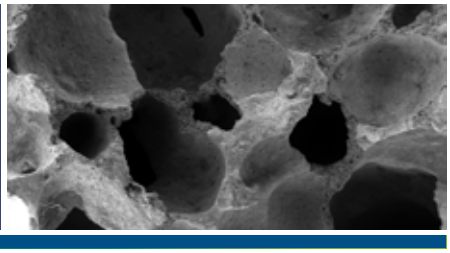
All powders are available in reaction-delayed versions and are available as DEG-Pastes.

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

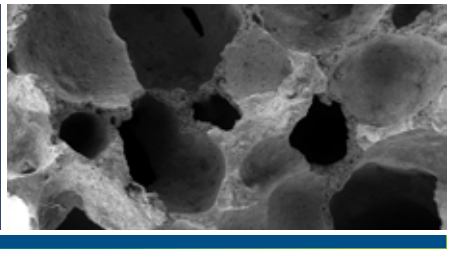
All pastes are available with different solid content and different reaction delay.

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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