Schlenk TAF GmbH & Co. KG • Barnsdorfer Haupstr. 5 • D-91154 Roth-Barnsdorf • Germany
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Sales Department: Andreas Becker, Tel. +49 9171 808 - 262

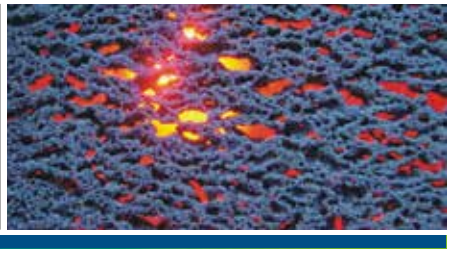
Technical Ceramics (p.1/4)

Aluminium Powders - wettable

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

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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Technical Ceramics (p.2/4)

Aluminium Powders - not wettable

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

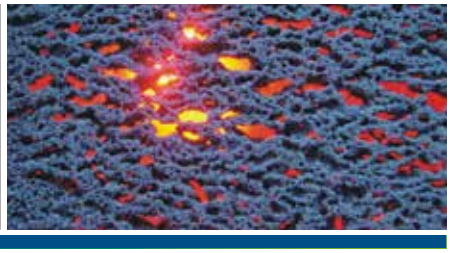
All powders are available in reaction-delayed versions and are available as DEG-Pastes.

Waterborne Pastes - stabilised

Product Name	Particle Size d_{50} *1 [µm]	Particle Size d_{90} *1 [µm]
Aquapor 1000 series	~ 35	~ 110
Aquapor 3000 series	~ 25	~ 85
Aquapor 7000 series	~ 18	~ 50
Aquapor 9000 series	~ 15	~ 37
A70004 series	~ 60	~ 125
A70007 series	~ 45	~ 110
A70010 series	~ 25	~ 65
A70013 series	~ 20	~ 50

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

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



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Technical Ceramics (p.3/4)

Solventborne Pastes (Diethylene Glycol) - stabilised

Product Name	Particle Size d_{50} *1 [µm]	Particle Size d_{90} *1 [µm]
DEG/1500 series	~ 35	~ 110
DEG/3500 series	~ 25	~ 85
DEG/7500 series	~ 18	~ 50
DEG/9500 series	~ 15	~ 37
DEG/75004 series	~ 60	~ 125
DEG/75007 series	~ 45	~ 110
DEG/75009 series	~ 40	~ 95
DEG/75010 series	~ 25	~ 65
DEG/75013 series	~ 20	~ 50

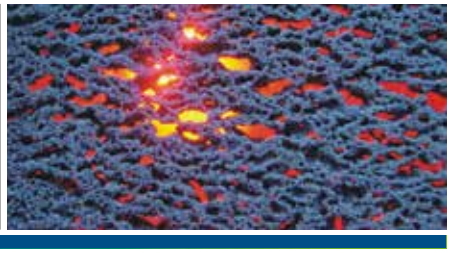
All pastes are available with different solid content and different reaction delay.

Solventborne Pastes (Diethylene Glycol) - from wettable powders

Product Name	Particle Size d_{50} *1 [µm]	Particle Size d_{90} *1 [µm]
DEG/77004/77	~ 70	~ 140
DEG/77007	~ 60	~ 130
DEG/77009	~ 40	~ 90
DEG/77010 series	~ 25	~ 65
DEG/77112	~ 25	~ 60
DEG/77013 series	~ 23	~ 50
DEG/77014 series	~ 22	~ 48
DEG/87116/65	~ 14	~ 30

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

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



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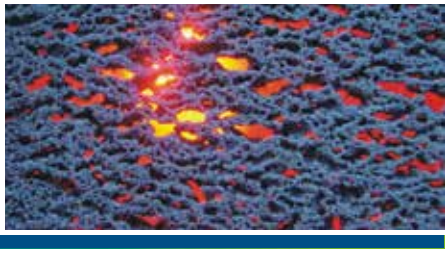
Technical Ceramics (p.4/4)

Calcium Carbonate Compounds

Product Name	Aluminium Content x [%]	Particle Size d_{50} *1 [µm]	Blaine/ Water Coverage *5 [g/cm³]
CaCO3/7004/x	10/20	~ 85	min. 7 000
CaCO3/7114/x	10/20	~ 28	min. 22 500
CaCO3/77004/x	10/20	~ 70	min. 7 000
CaCO3/77009/x	10/20	~ 40	min. 13 000
CaCO3/77014/x	10/20	~ 21	min. 19 000
CaCO3/76004/x	10/20	~ 65	min. 3 500
CaCO3/290/x	10/20	~ 10	min. 35 000
CaCO3/290R/x	10/20	~ 10	min. 35 000
CaCO3/U290XR/x	10/20	~ 10	min. 35 000
CaCO3/260R/x	10/20	~ 25	min. 18 000
CaCO3/260XR/x	10/20	~ 25	min. 18 000
CaCO3/U320R/x	10/20	~ 55	min. 8 000

Other compounds are possible.

Test Methods: ***1 AQSB-044** ***5 AQSB-010/014**



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