Schlenk TAF GmbH & Co. KG • Barnsdorfer Haupstr. 5 • D-91154 Roth-Barnsdorf • Germany
www.schlenk.com • aluflake@schlenk.de
Director BU TAF: Uğur Çelikkayali, Tel. +49 9171 808 - 238
Application Service: Dr. Sebastian Bergold, Tel. +49 9171 808 - 586, Stephan Krebs, Tel. +49 9171 808 - 315, Irina Safonova, Tel. +371 2000 5721 • **Sales Department:** Andreas Becker, Tel. +49 9171 808 - 262

Technical Ceramics (p.1/2)

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	~ 150	~ 300	0.18 - 0.25	≥ 600
7004	~ 85	~ 175	0.16 - 0.21	≥ 600
7114	~ 30	~ 58	0.10 - 0.14	≤ 450
77007	~ 50	~ 120	0.14 - 0.18	≥ 500
77009	~ 35	~ 93	0.15 - 0.18	450 - 600
77010	~ 25	~ 70	0.11 - 0.15	400 - 500
77012	~ 25	~ 60	0.11 - 0.15	400 - 500
77013	~ 22	~ 50	0.11 - 0.15	400 - 500
87007	~ 50	~ 120	0.14 - 0.18	≥ 500
87012	~ 25	~ 60	0.13 - 0.15	400 - 500
87013	~ 25	~ 50	0.13 - 0.16	300 - 450

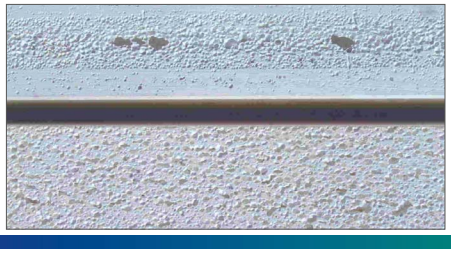
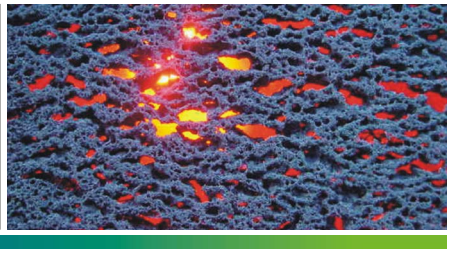
Aluminium Powders - not wettable

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	~ 60	~ 140	0.16 - 0.23	≥ 600
76007	~ 55	~ 125	0.15 - 0.21	≥ 500
76010	~ 25	~ 70	0.11 - 0.15	400 - 500
76013	~ 22	~ 50	0.11 - 0.15	≤ 450
UP30	~ 65	~ 150	0.10 - 0.20	≥ 500

Atomized Aluminium

Product Name	Active Metal Content *4 [%]	Particle Size d_{90} *1 [µm]	Blaine/ Water Coverage *5 [g/cm³]
Rogal Aluminium 4/34	min. 99.7	~ 21	~ 1.0
Rogal Aluminium 0/63	min. 99.7	~ 35	~ 1.0
Rogal Aluminium 32/75	min. 99.7	~ 40	~ 1.0
Rogal Aluminium 75/2000	min. 99.7	~ 100	~ 1.0

Test Methods: *1 AQSB-044 *2 AQSB-001 *4 AQSB-012 *5 AQSB-014
All powders are available in reaction-delayed versions and are available as DEG-Pastes.

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Technical Ceramics (p.2/2)

Waterborne Pastes

Product Name	Particle Size d_{50} *1 [µm]	Particle Size d_{90} *1 [µm]	Recommended Application Density [kg/m³]
Aquapor 400 series	~ 60	~ 130	≥ 600
Aquapor 1000 series	~ 35	~ 100	500 - 600
Aquapor 3000 series	~ 25	~ 85	500 - 600
Aquapor 7000 series	~ 18	~ 50	400 - 500
Aquapor 9000 series	~ 13	~ 35	≤ 400

Calcium Carbonate Compounds

Product Name	Aluminium Powder x [%]	Particle Size d_{90} *1 [µm]	Blaine/ Water Coverage *5 [g/cm³]
CaCO3/7004/x	10/20	~ 85	min. 7 000
CaCO3/7009/x	10/20	~ 75	min. 13 000
CaCO3/7114/x	10/20	~ 28	min. 22 000
CaCO3/UP30/x	10/20	~ 70	min. 3 500

Other compounds are possible.

Test Methods: *1 AQSB-044 *2 AQSB-001 *5 AQSB-014

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