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, Dr. Karla Späth, Tel. +49 9171 808 - 801, Irina Safonova, Tel. +371 2000 5721
Sales Department: Andreas Becker, Tel. +49 9171 808 - 262

Plasters and Screeds (p.1/3)

The products for the application in plasters, renders and screeds are primarily used for reducing and avoiding shrinkage cracks (due to the expansion because of pore building). Additionally they are applied in formulations for restauration - and insulating renders to create a target pore structure.

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	~ 45	~ 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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Plasters and Screeds (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]
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.

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
CaCO3/290XR/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
CaCO3/320R/x	10/20	~ 55	min. 8 000

Other compounds are possible.

Test Methods: ***1 AQSB-044** ***2 AQSB-001** ***5 AQSB-010/014**

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Plasters and Screeds (p.3/3)

Aluminium Flitters

Product Name	Aceton Extract *3 [%]	Active Metal Content *4 [%]	Bulk Density *2 [g/cm³]	Particle Size Range [µm]
0/150	max. 0.6	min. 92	~ 0.15 - 0.25	0 - 150
0/300	max. 0.6	min. 92	~ 0.20 - 0.35	0 - 300
150/300	max. 0.6	min. 92	~ 0.20 - 0.40	150 - 300
300/600	max. 0.5	min. 92	~ 0.15 - 0.40	300 - 600
600/1000	max. 0.5	min. 92	~ 0.25 - 0.45	600 - 1000

Test Methods: ***2 AQSB-001** ***3 AQSB-041** ***4 AQSB-012**

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