

Plasters and Screeds (p.1/2)



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

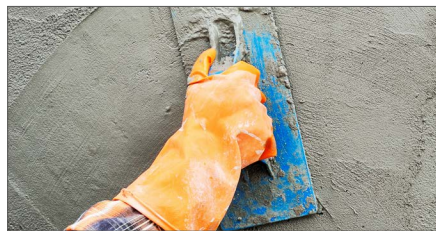
Product Name	Particle Size d_{50} *1 [μm]	Particle Size d_{90} *1 [μm]	Bulk Density *2 [g/cm ³]
7002	~ 150	~ 300	0.18 - 0.25
7004	~ 85	~ 175	0.16 - 0.21
7008	~ 65	~ 130	0.15 - 0.19
7110	~ 40	~ 80	0.11 - 0.15
7114	~ 30	~ 58	0.10 - 0.14
77004	~ 60	~ 140	0.16 - 0.22
77007	~ 50	~ 120	0.14 - 0.18
77009	~ 35	~ 93	0.15 - 0.18
77010	~ 25	~ 70	0.11 - 0.15
77012	~ 25	~ 60	0.11 - 0.15
77013	~ 22	~ 50	0.11 - 0.15
77014	~ 21	~ 48	0.11 - 0.15
87007	~ 50	~ 120	0.14 - 0.18
87012	~ 25	~ 60	0.13 - 0.16
87013	~ 25	~ 50	0.13 - 0.16

Aluminium Powders - not wettable

Product Name	Particle Size d_{50} *1 [μm]	Particle Size d_{90} *1 [μm]	Bulk Density *2 [g/cm ³]
UP30	~ 65	~ 150	0.10 - 0.20
76004	~ 60	~ 140	0.16 - 0.23
76007	~ 55	~ 125	0.15 - 0.21
76010	~ 25	~ 70	0.11 - 0.15
76013	~ 22	~ 50	0.11 - 0.15
76014	~ 21	~ 48	0.11 - 0.16

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

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



Plasters and Screeds (p.2/2)



Calcium Carbonate Compounds

Product Name	Aluminium Powder x [%]	Particle Size d_{50} *1 [µm]	Blaine/ Water Coverage *5 [g/cm ³]
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.

Aluminium Flitters

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

Atomized Aluminium

Product Name	Active Metal Content *4 [%]	Particle Size d_{50} *1 [µm]	Bulk Density *2 [g/cm ³]
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 *3 AQSB-041 *4 AQSB-012

