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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 |
| 7114 | ~ 30 | ~ 58 | 0.10 - 0.14 |
| 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 |

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 |

Waterborne Pastes

| Product Name | Particle Size d_{50} *1 [μm] | Particle Size d_{90} *1 [μm] |
|----------------------------|---|---|
| Aquapor 400 series | ~ 60 | ~ 130 |
| Aquapor 1000 series | ~ 35 | ~ 100 |
| Aquapor 3000 series | ~ 25 | ~ 85 |
| Aquapor 7000 series | ~ 18 | ~ 50 |
| Aquapor 9000 series | ~ 13 | ~ 35 |

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

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



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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 |

Foil Granules

| Product Name | Active Metal Content * ⁴ [%] | Bulk Density * ² [g/cm ³] | Particle Size Range [µm] |
|-------------------|---|--|--------------------------|
| 0 / 160 | ~ 96 | ~ 1.0 | 0 - 106 |
| 106 / 160 | ~ 96 | ~ 1.0 | 106 - 160 |
| 160 / 315 | ~ 96 | ~ 1.0 | 160 - 315 |
| 315 / 630 | ~ 96 | ~ 1.0 | 315 - 630 |
| 630 / 1000 | ~ 96 | ~ 1.0 | 630 - 1000 |

Test Methods: *¹ AQS-044 *² AQS-001 *⁴ AQS-012 *⁵ AQS-014



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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 |

Aluminium Powders for Slurries

| Product Name | Water Coverage *5 [g/cm ³] | Screen Analysis *6 >71 μm [%] | Screen Analysis *6 >45 μm [%] | Fat Content *7 [%] |
|--------------|---|---|---|-----------------------|
| SL/0770 | min. 18 000 | max. 1 | max. 7 | 2 - 3 |
| SL/0970 | min. 20 000 | max. 0.5 | max. 3 | 2 - 3 |

Aluminium Powders for Slurries - Dedusted

| Product Name | Water Coverage *5 [g/cm ³] | Screen Analysis *6 >71 μm [%] | Screen Analysis *6 >45 μm [%] | Fat Content *7 [%] |
|--------------|---|---|---|-----------------------|
| SL/4770 DD | min. 20 000 | max. 0.5 | max. 7 | 2 - 3 |
| SL/41130 DD | min. 20 000 | | max. 1 | 2 - 3 |

Test Methods: *1 AQS-044 *2 AQS-001 *4 AQS-012 *5 AQS-014 *6 AQS-003 *7 AQS-040

