

Technical data

| Test parameters | Unit | Average value, approx. |
|--|-------------------------|------------------------|
| 1. Basic key values for iron-silicate granulate | | |
| ■ Dry bulk density | t/m ³ | 3.65 |
| ■ Bulk density | t/m ³ | 1.9 |
| ■ Residual moisture | % | < 4.0 |
| ■ Elutriable components | M.-% | < 1 |
| ■ Lime content | % | < 0.5 |
| ■ Hardness as per Mohs | | > 7 |
| 2. Key values for applications | | |
| ■ Water permeability | m/s | 1.3 x 10 ⁻³ |
| ■ Protective efficacy as per GDA, sens. E 3-9: | | exists |
| ■ Frost sensitive Class F1 | | not frost sensitive |
| ■ Water management compatibility | | |
| ■ PH value | | 7.4 |
| ■ Electrical conductivity | mS/m | < 25 |
| ■ Cu in eluate | mg/l | < 0.05 |
| ■ Pb in eluate | mg/l | < 0.01 |
| ■ Zn in eluate | mg/l | < 0.07 |
| 3. Grain shape distribution* | | |
| Grain size [mm] | Screening [M.-%] | |
| 0.02 | 0.1 - 0.3 | |
| 0.063 | 0.3 - 1.0 | |
| 0.09 | 0.5 - 1.0 | |
| 0.125 | 1 - 2 | |
| 0.25 | 2 - 3 | |
| 0.5 | 5 - 9 | |
| 1.0 | 25 - 32 | |
| 2.0 | 75 - 85 | |
| 4.0 | 96 - 100 | |
| 5.6 | 99 - 100 | |

* Test procedure: DIN EN 933-1 "Determination of grain size distribution – screening method"

Iron-silicate granulate corresponds to a sand SE in compliance with DIN 18196 as regards the grain size distribution.

In accordance with ZTVE-StB 94 iron-silicate granulate corresponds to a sand SE of iron sensitivity class F1 (not frost sensitive).