

# Technical data

Test parameters	Unit	Average value, approx.
<b>1. Basic key values for iron-silicate granulate</b>		
■ Dry bulk density	t/m <sup>3</sup>	3.65
■ Bulk density	t/m <sup>3</sup>	1.9
■ Residual moisture	%	< 4.0
■ Elutriable components	M.-%	< 1
■ Lime content	%	< 0.5
■ Hardness as per Mohs		> 7
<b>2. Key values for applications</b>		
■ Water permeability	m/s	1.3 x 10 <sup>-3</sup>
■ 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
<b>3. Grain shape distribution*</b>		
<b>Grain size [mm]</b>	<b>Screening [M.-%]</b>	
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).