

TECHNICAL DATA SHEET

Microsilica MIKROSILL gray

1. Description

Microsilica MIKROSILL gray compliant with EN 13263-1,2 is CE certified and used as a Type II addition in concrete, cited in EN 197 (Cements) and EN 206 (Concrete). It can also be used in mortars, grouts and other applications for its pozzolanic and filler properties. The extremely fine particle size and the pozzolanic activity, enhance concrete durability, giving better resistance to chlorides, acids and sulfates, and lead to improved strength.

2. Application

- concrete: (high and very high performance concrete, shotcrete, styroconcrete)
- cement (microcement)
- mortars
- grouts

3. Storage

Microsilica MIKROSILL gray should be kept in a dry and well ventilated area. Avoid contact with moisture.

4. Typical chemical and physical characteristics

	EN 13263-1,2	Typical
SiO ₂ (%)	Min. 85	92 - 96
Free Si (%)	Max. 0.4	0.2
Free CaO (%)	Max. 1.0	< 0.1
SO ₃ (%)	Max. 2.0	0.3
Na ₂ O eq. (%)	-	0.6
Cl ⁻ (%)	Max. 0.3	< 0.1
Loss on Ignition (%)	Max. 4.0	< 3.0
Specific surface (BET)(m ² /g)	15 - 35	25
Pozzolanic Activity Index Normal curing (28 d)	Min. 100	110
Pozzolanic Activity Index Accelerated curing (7 d)	-	130

Bulk density (kg/m ³) undensified densified	-	300 - 400 500 - 700
H ₂ O (%)	-	< 0.5
> 45 µm (%)	-	< 3.0
pH	-	8

5. Packaging

Microsilica MIKROSILL gray can be supplied in the following packages:

microsilica undensified – 1000 kg big bag and 20 kg bag

microsilica densified – 1000 kg big bag, 1250 kg big bag and 25 kg bag

* Material should be used in accordance with the manufacturer's recommendations.