

Densit® WearFlex 3000

Chemically Bonded Silicium-Carbide-Ceramic

Densit® WearFlex 3000 wear resistant linings provide superior protection against heavy erosive wear at temperatures up to 400°C (750°F).

Consumption at 25 mm	
Densit® WearFlex 3000	62 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²
Consumption at 40 mm	
Densit® WearFlex 3000	99 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

DENSIT® WEARFLEX 3000

- Install mesh
- Mix dry compound for 1 minute
- Add water and mix for 8 minutes
- Trowel mix onto mesh
- Apply Densit® Curing Compound
- For more details refer to the "Densit® WearFlex Manual"

Densit® WearFlex 3000 is a trowellable one-component ready-mix delivered in 25 kg bags.

Product must be kept completely dry until used.

A paddle mixer must be used for mixing the compound. A significant change in consistency of the material (from a dry powder to wet mortar) must be observed within 3 minutes from addition of water.

Avoid making contact with aluminium or galvanized steel when using Densit® compound. Densit® WearFlex 3000 should be installed on a standard expanded metal mesh welded on the steel casing.

Technical Data



The figures given are typical values. The dry mortar is quality inspected in accordance with the Densit ISO 9001:2000 certified by Lloyd's Register Quality Assurance.

Please contact Wear-Concepts for further information.

PROPERTIES	Standard	Densit® WearFlex 3000
Density	kg/m ³ (lb/ft ³)	EN 1015-6 2575 (161)
Compressive strength	MPa	EN 12190 130
Flexural strength	MPa	EN 196-1 20
Dynamic E-modul	MPa	EN 70-80 10 ³
Casting shrinkage	vol. %	0.2
Thermal conductivity	w/m°C	5.0
Coeff. of thermal expansion	1/°C (1/°F)	EN 1770 10x10 ⁻⁶ (5.6x10 ⁻⁶)
Heat capacity	KJ/kg°C	0.9-1.0
Max. service temperature	°C (°F)	400 (750)
Abrasion resistance	cm ³ /50cm ²	DIN 52108 0.5-1.0
Erosive resistance	min/cm ³	280
Chemical composition	% CaO % SiO ₂ % SiC % Al ₂ O ₃ + TiO ₂ % Fe ₂ O ₃ % C r ⁶⁺	EN 196-10 17 14 59 7 <0.6 <0.0002
Bag size	kg	25
Pallet size	kg	1250

Your Complete Resource for
Innovative Wear Solutions

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