

Data sheet

Densit® WearFlex 3000

- Chemically bonded Silicon-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+

The bags must be stored on a dry stock to maintain the good properties of the compound. A paddle mixer must be used for mixing the compound. A significant change in consistency of the material (from dry to plastic) must be observed within 3 minutes from addition of water. Avoid Densit® compound to make contact with aluminium or galvanised steel. Densit® WearFlex 3000 should be installed on a standard expanded metal mesh welded on the steel casing.

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

Technical data



The figures given are typical values.

Please contact Biga Group 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		17
	% SiO ₂		14
	% SiC		59
	% Al ₂ O ₃ + TiO ₂	EN 196-10	7
	% Fe ₂ O ₃		<0.6
	% Cr ⁶⁺		<0.0002
Bag size	kg		25
Pallet size	kg		1250



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