

# Data sheet

# Densit® WearFlex 2000

## - Chemically bonded Corundum-Ceramic

**Densit® WearFlex 2000 wear resistant linings provide superior protection against heavy erosive wear at temperatures up to 400°C (750°F).**

### Consumption at 25 mm

Densit® WearFlex 2000 72 kg/m<sup>2</sup>  
Densit® Anchoring mesh 1 m<sup>2</sup>/m<sup>2</sup>

Densit® Curing Compound 0.25 l/m<sup>2</sup>

### Consumption at 40 mm

Densit® WearFlex 2000 115 kg/m<sup>2</sup>  
Densit® Anchoring mesh 1 m<sup>2</sup>/m<sup>2</sup>

Densit® Curing Compound 0.25 l/m<sup>2</sup>

### DENSIT® WEARFLEX 2000

- “ 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 2000 is a trowellable one-component ready-mix delivered in 25 kg bags.

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 con-tact with aluminium or galvanised steel. Densit® WearFlex 2000 should be instal-led on a standard expanded metal mesh welded on the steel casing.

## Technical data



The figures given are typical values.

Please contact Biga Group for further information.

PROPERTIES		Standard	Densit® WearFlex 2000
Density	kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	EN 1015-6	2900 (181)
Compressive strength	MPa	EN 12190	160
Flexural strength	MPa	EN 196-1	20
Dynamic E-modul	MPa	EN	70-80 10 <sup>3</sup>
Casting shrinkage	vol. %		0.2
Thermal conductivity	w/m°C		1.5
Coeff. of thermal expansion	1/°C (1/°F)	EN 1770	10x10 <sup>-6</sup> (5.6x10 <sup>-6</sup> )
Heat capacity	KJ/kg°C		0.9-1.0
Max. service temperature	°C (°F)		400 (750)
Abrasion resistance	cm <sup>3</sup> /50cm <sup>2</sup>	DIN 52108	0.5-1.0
Erosive resistance	min/cm <sup>3</sup>		130
Chemical composition	% CaO		18
	% SiO <sub>2</sub>		25
	% Al <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>		55
	% Fe <sub>2</sub> O <sub>3</sub>		<0.2
	% Cr <sup>6+</sup>	EN 196-10	<0.0002
Bag size	kg		25
Pallet size	kg		1250



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