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/m²
Densit® Anchoring mesh	1 m²/m²
Densit® Curing Compound	0.25 l/m²
Consumption at 40 mm	
Densit® WearFlex 2000	115 kg/m²
Densit® Anchoring mesh	1 m²/m²
Densit® Curing Compound	0.25 l/m²

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 contact with aluminium or galvanised steel.
Densit® WearFlex 2000 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 Densit a/s or the nearest distributor for further information.

PROPERTIES		Standard	Densit® WearFlex 2000
Density	kg/m³ (lb/ft³)	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 10^3
Casting shrinkage	vol. %		0.2
Thermal conductivity	w/m°C		1.5
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	cm³/50cm²	DIN 52108	0.5-1.0
Erosive resistance	min/cm³		130
Chemical composition	% CaO % SiO_2 % Al_2O_3 + TiO_2 % Fe_2O_3 % Cr^{6+}	EN 196-10	18 25 55 <0.2 <0.0002
Bag size	kg		25
Pallet size	kg		1200

Densit