

# 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.

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 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 Wear-Concepts 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 % SiO <sub>2</sub> % Al <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub> % Fe <sub>2</sub> O <sub>3</sub> % Cr <sup>6+</sup>	EN 196-10 18 25 55 <0.2 <0.0002
Bag size	kg	25
Pallet size	kg	1250

Your Complete Resource for  
Innovative Wear Solutions

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