

Data sheet

Densit® WearFlex 2000 HT

- Chemically bonded Corundum-Ceramic

Densit® WearFlex 2000 HT wear resistant linings provide superior protection against heavy erosive wear at temperatures up to 1200°C (2190°F).

Consumption at 25 mm	
Densit® WearFlex 2000 HT	71 kg/m ²
Steel fibres *)	3.2 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 2000 HT	113 kg/m ²
Steel fibres *)	5.1 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

*) Steel fibre selection depends on temperature and chemical environment. See the data sheet for steel fibres

DENSIT® WEARFLEX 2000 HT

- Install mesh
- Mix dry compound for 1 minute
- Add water and mix for 6 minutes
- Add appropriate steel fibres *) and mix another 3 minutes
- Trowel mix onto mesh
- Apply Densit® Curing Compound
- For more details refer to the "Densit® WearFlex Manual"

Densit® WearFlex 2000 HT 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 HT should be installed on a standard expanded metal mesh welded on the steel casing and can even be installed "over head".

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 ApS or the nearest distributor for further information.

PROPERTIES	Standard	Densit® WearFlex 2000 HT
Density	kg/m ³ (lb/ft ³)	EN 1015-6 2900 (181)
Compressive strength	MPa	EN 12190 133
Flexural strength	MPa	EN 196-1 15
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 6.9x10 ⁻⁶ (3.8x10 ⁻⁶)
Heat capacity	KJ/kg°C	0.9-1.0
Max. service temperature	°C (°F)	1200 (2190)
Shrinkage after firing at 500°C	%	0.1
Shrinkage after firing at 800°C	%	0.3
Shrinkage after firing at 1200°C	%	0.3
Abrasion resistance	cm ³ /50cm ²	DIN 52108 0.5-1.0
Erosive resistance	min/cm ²	140
Chemical composition	% CaO % SiO ₂ % Al ₂ O ₃ + TiO ₂ % Fe ₂ O ₃ % Cr ²⁺	EN 196-10 6 6 86 <0.3 <0.0002
Bag size	kg	25
Pallet size	kg	1250

Densit ID

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