

Densit® WearFlex 1000 HT

Chemically Bonded Bauxite-Ceramic

Densit® WearFlex 1000 HT wear resistant linings provide superior protection against high erosive wear at temperatures up to 1200°C (2190°F).

Consumption at 25 mm

Densit® WearFlex 1000 HT	68 kg/m ²
Steel fibres*	3.1 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 1000 HT	109 kg/m ²
Steel fibres*	4.9 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

* Steel fiber selection depends on temperature and chemical environment. See the data sheet for steel fibers.

DENSIT® WEARFLEX 1000 HT

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

Densit® WearFlex 1000 HT 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 1000 HT should be installed on a standard expanded metal mesh welded on the steel casing and can even be installed overhead.

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 1000 HT
Density kg/m ³ (lb/ft ³)	EN 1015-6	2800 (175)
Compressive strength MPa	EN 12190	130
Flexural strength MPa	EN 196-1	22
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	2.0-3.0
Erosive resistance min/cm ²		70
Chemical composition		
% CaO		7
% SiO ₂		7
% Al ₂ O ₃ + TiO ₂		83
% Fe ₂ O ₃		<0.8
% Cr ⁶⁺	EN 196-10	<0.0002
Bag size kg		25
Pallet size kg		1250

Your Complete Resource for Innovative Wear Solutions

1-816-587-1923
fax: 1-816-587-2055

1-888-4WEARCON
email: densit@wearcon.com