

## Data sheet

# Densit® WearFlex 500

## - Chemically bonded Quartz-Ceramic

Densit® WearFlex 500 wear resistant linings provide excellent protection against moderate wear at temperatures up to 400°C (750°F).

Consumption at 25 mm	
Densit® WearFlex 500	59 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 500	94 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 500

- 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 500 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 500 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 ApS or the nearest distributor for further information.

PROPERTIES		Standard	Densit® WearFlex 500
Density	kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	EN 1015-6	2400 (150)
Compressive strength	MPa	EN 12190	100
Flexural strength	MPa	EN 196-1	16
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	2.5-3.5
Erosive resistance	min/cm <sup>3</sup>		55
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>2+</sup>	EN 196-10	18 80 1 <0.2 <0.0002
Bag size	kg		25
Pallet size	kg		1250

# Densit ID

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