

Data sheet

Densit® WearSpray 500

- Chemically bonded Quartz-Ceramic

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

Consumption at 25 mm	
Densit® WearSpray 500	54 kg/m ²
Densit® WearSpray fibres	54 g/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²
Consumption at 40 mm	
Densit® WearSpray 500	87 kg/m ²
Densit® WearSpray fibres	87 g/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

DENSIT® WEARSpray 500

- Install mesh
- Mix dry compound with water and fibres
- Convey material through recommended pump
- Spray mixed material onto mesh
- Smooth the surface if required
- Apply Densit® Curing Compound
- For more details refer to the "Densit® WearSpray Video"

Densit® WearSpray 500 is a sprayable 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® WearSpray 500 should be installed on a standard stretch 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® WearSpray 500
Density	kg/m ³ (lb/ft ³)	EN 1015-6	2270 (142)
Compressive strength	MPa	EN 12190	100
Flexural strength	MPa	EN 196-1	15
Dynamic E-modul	MPa	EN	70-75 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	cm ³ /50cm ²	DIN 52108	2.5-3.5
Erosive resistance	min/cm ³		55
Chemical composition	% CaO % SiO ₂ % Al ₂ O ₃ +TiO ₂ % Fe ₂ O ₃ % Cr ²⁺	EN 196-10	15 82 1 <0.2 <0.0002
Bag size	kg		25
Pallet size	kg		1250

Densit ID

Densit ApS · Tel.: +45 9816 7011 · Fax: +45 9933 7788 · E-mail: mail@densit.com · Internet: www.densit.com
 German office:
 Densit ApS · Fritz-Peters-Str. 40 · D-47447 Moers · Tel.: +49 2841 88237-0 · Fax: +49 2841 88237-10 · E-mail: ger@densit.com