

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).

TYPICAL CONSUMPTION OF MATERIALS

25 mm lining	
Densit® WearSpray 500 Binder	29 kg/m ²
Ducorit® Spraying Sand 1000	29 kg/m ²
Densit® WearSpray fibres	58 g/m ²
Densit® Anchoring mesh	1.1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²
40 mm lining	
Densit® WearSpray 500 Binder	46 kg/m ²
Ducorit® Spraying Sand 1000	46 kg/m ²
Densit® WearSpray fibres	92 g/m ²
Densit® Anchoring mesh	1.1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

DENSIT® WEARSPrAY 500

- “ Install mesh
- “ Mix one bag Densit® WearSpray 500 Binder and one bag Ducorit® Spraying Sand 1000 for 1 minute
- “ 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+

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.

Densit® WearSpray 500 is a sprayable two-component dry mortar.

Technical data



The figures given are typical values.

Please contact Biga Group 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		15
	% SiO ₂		82
	% Al ₂ O ₃ +TiO ₂		1
	% Fe ₂ O ₃		<0.2
	% Cr ⁶⁺	EN 196-10	<0.0002
Bag size Densit® Wear Spray 500 Binder	kg		25
Bag size Ducorit® Spraying Sand 1000	kg		25
Pallet size Densit® Wear Spray 500 Binder	kg		1250
Pallet size Ducorit® Spraying Sand 1000	kg		1250

