

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).

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"

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

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.

Please contact ITW Densit 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		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

ITW Densit

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