



TECHNICAL DATASHEET – DENSIT® WEARSpray 2000 CHEMICALLY BONDED CORUNDUM-CERAMIC

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DESCRIPTION

Densit® WearSpray 2000 wear resistant linings provide excellent protection against moderate wear at temperatures up to 400°C (750°F).

CONSUMPTION AT 25 MM

Densit® WearSpray 2000	71 kg/m ²
Densit® WearSpray fibres	71 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 2000	114 kg/m ²
Densit® WearSpray fibres	114 g/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® curing Compound	0.25 l/m ²

SPECIFICATION

- Install mesh
- Mix dry material with fibres for 1 minute
- Add water and mix for 5-10 minutes
- 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 2000 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. The guaranteed shelf life is 14 months from production date. 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 2000 should be installed on a standard stretch metal mesh welded on the steel casing and can even be installed “over head”.

TECHNICAL DATA

PROPERTIES	STANDARD	DENSIT® WEARSPRAY 2000
Density - kg/m ³ (lb/ft ³)	EN 1015-6	2625 (164)
Compressive strength - MPa	EN 12190	110
Flexural strength - MPa	EN 196-1	12
Dynamic E-modul - MPa	EN 12504-4	60-70 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)		40(750)
Abrasion resistance - cm ³ /50cm ²	DIN 52108	1 - 1.5
Erosive resistance - min/cm ³		150
Chemical composition -	EN 196-10	
% CaO		13
% SiO ₂		35
% Al ₂ O ₃ + TiO ₂		50
% Fe ₂ O ₃		<0.2
% C ^{r³⁺}		<0.0002
Bag size - kg		25
Pallet size - kg		1250

The figures given are typical values.
Please contact ITW Performance Polymers or the nearest distributor for further information.