



TECHNICAL DATA SHEET – DENSIT® WEARSRAY 2000

Revised: 11/2016

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 meshes	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 meshes	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

SPECIFICATION

- 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 2000 is a sprayable one-component ready-mix delivered in 25 kg bags.

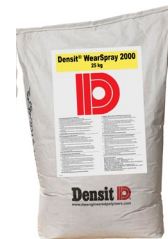
The bags must be stored on a dry stock to maintain the good properties of the compound. A paddle mixer must be used for mixing the compound. A significant change in consistency of the material (from dry to plastic) must be observed within 3 minutes from addition of water. Avoid Densit® compound to make 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”.

DENSIT® WEARSRAY 2000

CHEMICALLY BONDED CORUNDUM-CERAMIC

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	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)		400 (750)	
Abrasion resistance - cm ³ /50cm ²	DIN 52108	1.5-2.0	
Erosive resistance - min/cm ³		100	
Chemical composition -	EN 196-10	% CaO	13
		% SiO ₂	35
		% Al ₂ O ₃ + TiO ₂	50
		% Fe ₂ O ₃	<0.2
		% Cr ⁶⁺	<0.0002
Bag size - kg		25	
Pallet size - kg		1250	



The figures given are typical values.

Please contact ITW Engineered Polymers or the nearest distributor for further information.