

# Data sheet

# Densit® WearSpray 2000

## - Chemically bonded Corundum-Ceramic

**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 <sup>2</sup>
Densit® WearSpray fibres	71 g/m <sup>2</sup>
Densit® Anchoring mesh	1 m <sup>2</sup> /m <sup>2</sup>
Densit® Curing Compound	0.25 l/m <sup>2</sup>
Consumption at 40 mm	
Densit® WearSpray 2000	114 kg/m <sup>2</sup>
Densit® WearSpray fibres	114 g/m <sup>2</sup>
Densit® Anchoring mesh	1 m <sup>2</sup> /m <sup>2</sup>
Densit® Curing Compound	0.25 l/m <sup>2</sup>

### DENSIT® WEARSpray 2000

- “ 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.

## Technical data



The figures given are typical values.

Please contact Biga Group for further information.

PROPERTIES		Standard	Densit® WearSpray 2000
Density	kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	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 <sup>3</sup>
Casting shrinkage	vol. %		0.2
Thermal conductivity	w/m°C		1.5
Coeff. of thermal expansion	1/°C (1/°F)	EN 1770	10x10 <sup>-6</sup> (5.6x10 <sup>-6</sup> )
Heat capacity	KJ/kg°C		0.9-1.0
Max. service temperature	°C (°F)		400 (750)
Abrasion resistance	cm <sup>3</sup> /50cm <sup>2</sup>	DIN 52108	1.5-2.0
Erosive resistance	min/cm <sup>3</sup>		100
Chemical composition	% CaO		13
	% SiO <sub>2</sub>		35
	% Al <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>		50
	% Fe <sub>2</sub> O <sub>3</sub>		<0.2
	% Cr <sup>6+</sup>	EN 196-10	<0.0002
Bag size	kg		25
Pallet size	kg		1250

