



Densit

WearSpray 2000™

Chemically Bonded Corundum-Ceramic



Features & Benefits

Wear-Con Densit® WearSpray 2000™ Chemically Bonded Corundum-Ceramic wear resistant lining is a sprayable, trowellable one-component ready-mix wear compound, allowing for fast monolithic coverage over large surface areas and system components with complex geometric shapes. Along with the flexibility of multi-dimensional coverage with seamless thickness graduation, WearSpray 2000™ is fast and easy to install and can be used after just 24 hours.

Installation

Wear-Con Densit® WearSpray 2000™ can be installed in five simple steps:

1. Install mesh. WearSpray 2000™ should be installed on a standard expanded metal mesh welded on the steel casing.
2. Mix dry WearSpray 2000™ compound for 1 minute with a paddle mixer. Product must be kept completely dry until used.
3. Add water and fibers, then mix for 8 minutes with a paddle mixer. A significant change in consistency of the material (from a dry powder to wet mortar) must be observed within 3 minutes from addition of water.
4. Conveymixed WearSpray 2000™ through recommended pump, then spray onto mesh. Smooth surface if needed. Avoid making contact with aluminum or galvanized steel when using WearSpray 2000™.
5. Apply Densit® Curing Compound.

For more details refer to the “Densit® WearSpray™ Video”.

Technical Specifications

Wear-Con Densit® WearSpray 2000™ is a high-strength wear compound combined with corundum aggregates to provide excellent protection against moderate wear at temperatures up to 750°F (see reverse for more technical data).

Sizes

Wear-Con Densit® WearSpray 2000™ is delivered in 55 lb bags.

(See reverse for more technical data.)

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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 Temp.	°C (°F)	-	400 (750)
Abrasion Resistance	cm ³ /50cm ²	DIN 52108	1.5 - 2.0
Erosive Resistance	min/cm ³	-	100
Chemical Composition	CaO	EN 196-10	13%
	SiO ₂		35%
	Al ₂ O ₃ + TiO ₂		50%
	Fe ₂ O ₃		<0.2%
	Cr ⁶⁺		<0.0002%
Bag Size	kg (lb)	-	25 (55)
Pallet Size	kg (lb)	-	1250 (2755)

Consumption	
at 25 mm	
Densit® WearSpray 2000™	63 kg/m ²
Densit® WearSpray™ Fibers	63 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™	101 kg/m ²
Densit® WearSpray™ Fibers	101 g/m ²
Densit® Anchoring Mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

The figures contained herein are typical values. The dry mortar is quality inspected in accordance with the Densit® ISO 9001:2000 certified by Lloyd's Register Quality Assurance.

Please contact Wear-Concepts, Inc. for more information.

(See reverse for more information.)



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