

DWP

Densit Wear Protection UK Ltd.

TECHNICAL INFORMATION

WaerPack2 Ceramic filled wearing compound is a two part, filler extended hybrid polymer resin. It has been specifically formulated for the protection of surfaces subjected to extreme wear and abrasion caused by solids or slurry. The mortar provides a long lasting lining to metal and concrete surfaces.

Colour : Resin – White
: Hardener - Blue
Mixing : By Weight – 100 parts resin: 50 parts hardener

If the resin component (large tin) is stiff and hard to mix, this is due to moisture absorption in the storage through the winter months. Simply pre-heat by applying heat, or hot air over the surface. This will release the absorbed moisture and the resin will flow easily again.

Specific Gravity @ 25°C : Mixed Compound 2,0-2,1 g/cm³.
Viscosity @ 25°C : Thixotropic Paste.
Practical Working Time (Pot Life) : 10kg @ 25°C = 10-15 minutes.
Geltime @ 25°C : 60 minutes on a 5mm thick casting.
@ 25°C : 25 minutes on a 20mm thick casting.
Setting Time @ 25°C : 20mm thick casting = 90 minutes.
Minimum Application Temperature : 5°C
Coverage : 2kg/m² (1mm thick lining)

TYPICAL CURED PROPERTIES

Hardness after 24 hours @ 25°C : Shore D85
Shrinkage After Cure : Maximum 0,5%
Elongation (Average) : 1%
Tensile Strength : (DIN 53455) 35MPa
Impact Strength : (DIN 53453) >5kJ/m²
Compressive Strength : (DIN 53454) Average 110MPa
Flexural Strength : (DIN 53452) 96MPa
Lap Shear Strength : (ISO 4587) 7,5MPa on a cleaned & roughened mild steel
Heat Resistance : 85-90°C
Adhesion : To clean and roughened metal and concrete : excellent
Chemical Resistance : Excellent against water, oil, grease, detergents, diluted acids and alkaline. Resistant to solvents, aliphatic alcohols and aromatics. Against esters, ketones and chlorinated hydro-carbons, tests are recommended.
Water Absorption : Immersion for 24hours @ 25°C in diluted water – maximum 2%

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Registered No. 2670655

VAT Registered No. 589 2970 74

Advanced Ceramic Technology

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Typical Properties : Easy pour-ability and good penetration even at lower temperatures. Minimal filler settlement in containers – easily mixable. Fast reactivity and outstanding mechanical properties. Good curing properties at lower temperatures.

HANDLING PROPERTIES

WearPack2 shows no dermatitic properties and has a very low irritation potential at room temperature. Low toxicity at ambient temperatures, however, good industrial hygiene must be observed. See Precautions for Use and Health Hazard Information.

STORAGE STABILITY

WearPack2 must be stored under dry cool conditions, in tightly sealed containers. The shelf life is 12 months. Store in cool, dry conditions.

NOTICE

The technical specification and/or our technical advise whether verbal, in writing or by trials is given in good faith and based on our test results obtained but without warranty. It does not release the user from the obligation of testing the products supplied by us or any third party as to the suitability of the intended application. The application, use and processing of the products are beyond our control and Densit Wear Protection UK Ltd legal obligation in respect of any of it's products shall be determined by the terms of it's condition of sale.

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