



DESCRIPTION

MeCaBack 900 is a 100% solids, solvent-free epoxy wear backing system that eliminates wear liner gaps, providing high compressive strength and impact resistance under extreme conditions.

The product is designed to be poured easily to fill the void cavity to back wear liners with volumetric stability and energy-absorbing support to improve the operational performance of the crusher system.

Once the product is poured into place, it offers extremely low shrinkage after curing, preventing voids and misalignment to ensure adequate contact with the wear liner.

MeCaBack 900 is easy to use and free of VOCs, butyl glycidyl ether and nonylphenol providing an environmental and operator safe product with low odor during installation. A unique color-changing technology is incorporated into the polymer reaction to assure proper product mixing ratio eliminating rework errors.

MeCaBack 900 offers fast return to service, reducing downtime while providing the toughest level of support to the wear liner.

APPLICATIONS

- Cone Crusher
- Grinding Mills
- Machine Bedding
- Gyratory Crusher
- Backing Plates
- Grouting

INSTALLATION

Storage

Maintain product storage between 65°F - 80°F (18°C - 27°C). Storage outside this range will adversely affect how the product mixes, pours and cures. As this product cures by chemical reaction an exotherm develops. The larger the mass that is poured, the faster the cure time.

Mixing Instructions

Premix A side resin for 1 minute. Heavy settling at the bottom may occur.

Shake B side hardener for 1 minute. While mixing resin slowly begin to pour in the hardener. Mix both components together for a minimum of 2 minutes. Do not mix with a high RPM as this will introduce air into the mixture.

Pouring

Pour mixture immediately after mixing. Pour in a single location and allow MeCaBack 900 to fill the cavity and displace the air in front of it. To prevent compound from flowing into unwanted areas, use cardboard, duct tape, clay or other means to stop the material flow.

If easier removal of liner is required - coat surfaces with a suitable silicone release agent.

TECHNICAL DATA

Performance / Property		Results
Hardness	ASTM D2240	[Shore D] 83
Compressive Strength	ASTM D695	up to 18,500 (≈125 MPa)
Volume Shrinkage		< 2%
Water Absorption		< 1%
Surface Resistivity		Insulative > x 10 ¹² ohms

PHYSICAL DATA

Color	Blue
Mix Ratio	6:1 by volume
Mix Ratio	10.8:1 by weight
Working Life (77°F / 25°C)	30 minutes
Gel Time (77°F / 25°C)	50 minutes
Low Temperature Application	50°F (10°C)
Percent Solids	100%
Odor	Slight to nil
Resin Viscosity (77°F / 25°C, spindle 6, 20 rpm)	38,000 cPs
Hardener Viscosity (77°F / 25°C, spindle 6, 20 rpm)	960 cPs
Mixed Viscosity (77°F / 25°C, spindle 6, 20 rpm)	11,000 cPs
Resin Density	1.81 g/ml
Hardener Density	1.01 g/ml
Mixed Density (Resin + Hardener)	1.70 g/ml
Max. Operating Temp. - Dry Service	250 °F (121°C)
Cure Time - Touch (77°F / 25°C)	3 hours
Cure Time - Service (77°F / 25°C)	8 hours

COVERAGE DATA

Kit Weight	Theoretical Coverage Rate
2 Gallon (12.9 Kg)	462 in ³ (7570 cm ³)

PACKAGING

2 Gal / 7.6 liter / 28.4 lb / 12.9 kg

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