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FIBERGLASS MAT REINFORCED LINING / FLOORING SYSTEMS

KCC TECHNI-PLUS lining and flooring systems are available in fiberglass mat-reinforced versions for a variety of lining and floor topping applications. In general, these systems consist of primer, troweled mortar or squeegee applied slurry basecoat, one or two layers of chopped strand fiberglass mat (either 1 oz. or 1.5 oz.) and either troweled or resin rich topcoats, sometimes multiple. MR system thickness generally will vary from 90 mils to 250 mils, depending on the service conditions, materials used and number and weight of the mat layers.

Mat reinforced alternatives to the standard KCC systems are often recommended in flooring applications where conditions are such that thermal shock is common, minor shrinkage cracking of the concrete substrate is evident, and/or the mechanical use or traffic conditions warrant additional thickness and reinforcement. MR systems are also commonly used in lining chemical storage tanks, in particular concrete tanks. Waste water neutralization, treatment and thickener tanks with concrete bottoms and steel or concrete walls are often lined with MR systems.

The most common KCC TECHNI-PLUS systems with MR options are listed below.

- AEP 20 MR - 100% solids amine adduct cured bis-a epoxy lining with resin rich topcoat
- EN 25.3 MR -100% solids epoxy novolac lining with resin rich topcoat
- EN 25.5 MR -100% solids highest performance epoxy novolac lining with resin rich topcoat
- EN 125 MR - 100% solids epoxy novolac lining / floor with resin rich or troweled topcoat
- EP 125 MR – 100% solids amine cured bis-a epoxy lining / floor with troweled topcoat
- EP 60 SLMR -100% solids amine cured epoxy self-leveling floor
- EN 60 SLMR-100% solids epoxy novolac self-leveling floor
- EP 250 MR – 100% solids amine cured bis-a epoxy troweled floor (1/4 inch nominal)
- EN 250 MR – 100% solids epoxy novolac troweled floor (1/4 inch nominal)
- SMR 20.2 MR - 85% to 91% solids proprietary polymer lining system (100-125 mils nominal)
- VE 40 MR – 100% reactive solids novolac vinyl ester lining with resin rich topcoat
- VE 125 MR – 100% reactive sol. novolac vinyl ester lining/floor w/troweled or resin rich topcoat
- VE 250 MR – 100% reactive solids novolac vinyl ester resilient troweled floor (1/4 to 6/10 inch)

The chemical resistance of the system will be equal to the chemical resistance of the topcoat material. Please refer to the appropriate Technical Information for examples of chemical resistance data.

For mixing, handling and safety information, refer to specific product Technical Information and MSDS. For application instructions, refer to Installation Specification for project.

For product warranty see KCC Corrosion Control Co., Ltd. **STANDARD TERMS AND CONDITIONS (U. S. 3/2006 KCC-Sale)**, stated terms including limitation of liability constitute the total warranty.

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