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**EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS**

SYSTEM BULLETIN

POLYMITE SEAMLESS EPOXY OR VINYL ESTER INDUSTRIAL FLOORING

DESCRIPTION: The POLYMITE system consists of multiple layers of coarse aggregate embedded in EPOXY, POLYESTER OR VINYL ESTER resins, its specification is dependent on the surface's intended end use and specific chemical exposure.

POLYMITE-I: 1 LAYER about 1/16- 3/23" -flooring is designed for light duty service in foot traffic areas. It provides a seamless (smooth to non-slip) floor for easy cleaning, sanitation or chemical containment. It is often used in locker rooms, aisleways, light production areas, bathrooms and meat rooms in supermarkets. 100 mil system available.

POLYMITE-II: 2 LAYER about 1/8"-5/32" is suitable for light to medium duty areas where foot traffic is heavy, wheeled vehicles are in frequent use and surface impact is modest. 160 mil system available.

POLYMITE-III: 3 LAYER about 3/16 -9/32" is designed for heavy usage, impact resistance and likely chemical exposure

POLYMITE-IV: 4 LAYER about 5/16" -3/8" is designed for heavy usage, impact resistance, and likely heavy and continual chemical exposure. It is a very usual choice in cheese, meat and other food plant situations.

USE: The POLYMITE system is a good choice when a tough, economical and totally seamless floor system is important for cleanliness or containment purposes. POLYMITE is most frequently applied over concrete although overlaying epoxy toppings is possible. POLYMITE is recommended for heavy duty vehicle service areas, meat, dairy or other food production facilities, chemical production or loading areas, pits for water or chemical containment, or biologic areas.

APPLICATION: Concrete should be thoroughly cleaned, etched, or shotblasted, and dried. A suitable concrete primer should be used for any concrete less than 6 months old to assure a good initial bond. The application of water barrier or water vapor barrier materials is recommended prior to system installation when moisture tests indicate the need. All holes, seams or cracks should be patched and smoothed first with a paste comprised of the system's resin and thickeners or aggregate (if the holes are large). All free edges and doorways should be keyed in at least 1" deep. Alternate layers of the resin and aggregate is then applied until the final surface thickness is reached. The final two coats may be pigmented to the customer's choice of a final surface color or the aggregate imbedded in the matrix left as the final surface color. The final texture is determined by the choice of the final aggregate and amount of topcoat material and may be varied with the area's use from smooth to aggressive for positive slip resistance.

SPECIFICATIONS

Compressive strength
Tensile strength

19200 psi
10700 psi

Flexural strength	10700 psi
Hardness shore D	80-83
Adhesion	>400 psi concrete breaks
Adhesion strength w/1013	>1000 psi
Water absorption epoxy	0.13
Water absorption 2400 urethane	<0.01
Abrasion resistance urethane	0.018 g
Abrasion resistance qtz	<0.004
Slip resistance	smooth to rough
Mvt max	4.5 lb water vapor/1000 sqft/24 hours
Chemical resistance- see tds	

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