

TYPE

A 100% solids epoxy blended with a properly graded combination of silica fillers and inerts to provide excellent bulking, film strength and working properties. 9029 Filler meets the FDA requirements for 21 CFR, 175.300.

INTENDED USE

As a filler for concrete voids, as well as a repair or grout material. Topcoating with the appropriate Carboline coating enables the system to meet the requirements as a tank lining for the food and beverage industries.

TEMPERATURE RESISTANCE

Dry temperature basis is 300°F continuous. Immersion temperatures are based on the topcoat.

COVERAGE

460 cu. in./unit.

Severe spillage or immersion service will require two coats. Field experience indicates a coverage of 80 square feet per mix.

SET TIME/RECOAT TIME

At 70°F and relative humidity of 40 to 60%, the set time is 16 to 24 hours.

PLASITE 9029 Filler may be overcoated after 16 to 18 hours at 70°F or higher. Any coating that is used as a topcoat that has not been tried should be checked for bleed-through if earlier overcoating is required. Prolonged cure times or exposure to ultraviolet light prior to topcoating can negatively affect adhesion of topcoats. Topcoat as soon as practical, but do not exceed 14 days at 70°F. (Special note when topcoating with vinyl esters: 9029 Filler must be topcoated within 30 hours). If these recoat times are exceeded, sweep blast the surface to provide anchor profile.

CURING

5 to 7 days at 70°F or force cure on the same schedule as for topcoat.

SURFACE PREPARATION

Immersion Service

Inspect for structural failures, cracks, protrusions and fins. Grind surface flush and grind cracks to 'V' configuration. Chip out all loose concrete to width of 1/4 inch minimum. Replaces July 2004

PHYSICAL SPECIFICATIONS

Pigments: Inert fillers, silica, oxide yellow.

Solids: 100%

Pot Life: Approximately 1 hour at 70°F.

Shelf Life: 6 months at 70°F.

Shipping Weight: Approximately 17 lbs./gal.

Thermal Shock: Unaffected 5 cycles, minus 70°F to plus 200°F on concrete substrate.

CHEMICAL RESISTANCE

Good all-around chemical resistance.

Concrete surfaces must have a minimum 30 day cure, be clean, hard, dense, neutral and free of laitance, form oil and release agents. Blow holes, pits and cavities must be open so that they may be properly filled and sealed. To provide the foregoing requirements, it is necessary to prepare the surface using one or more methods listed in order of preference:

Whip blast with a fine grade of sand reducing the normal nozzle pressures. Pressure and distance of nozzle from surface depends on characteristics of concrete. CAUTION: Do not over blast as it will result in high consumption of material and labor.

Note: Surface preparation for exposures other than immersion service will require less surface preparation and will depend on environment, condition of concrete surface and other factors. Satisfactory surface preparation, sanding, grinding, brushing, pressure washing, etching and other methods must be determined on a job-to-job basis. Contact Carboline Technical Service Department for specific information.

APPLICATION

Mixing and Thinning

A unit of PLASITE 9029 Filler consists of 2 equal containers — Part I pigmented (Oxide Yellow) and Part II pigmented (Off White). Mix Part I and Part II equal parts by volume. Mix until fully blended (no color streaking present). A mechanical mixer is advised to assure optimum workability. When used with vinyl ester topcoats mixed material must be thinned with Plasite Thinner #20 at 5-6% by volume and a minimum induction time of 15 minutes is required.

CLEANUP THINNER: Thinner #20

PLASITE® 9029 Filler

Meets FDA Requirements

Immersion Service

Apply first coat by trowel and thoroughly work into surface with squeegee or flexible plastic blade to provide a flush uniform surface.

Apply second coat if necessary in same manner as first coat. This will normally fill all small voids leaving a flush surface. Coverage rates are approximately 80 to 120 ft²/gal. depending on the roughness of the concrete surface. This coat may be applied immediately after the first coat is set.

Visually inspect all surfaces and repair any voids.

Application Temperatures & Humidity

Ambient, substrate and material temperatures must be a minimum of 70°F, with Relative Humidity not to exceed 65%.

SAFETY

READ THIS NOTICE

SAFETY AND MISCELLANEOUS EQUIPMENT

For tank lining work or enclosed spaces, it is recommended that the operator provide himself with clean coveralls and rubber soled shoes and observe good personal hygiene. Certain personnel may be sensitive to various types of resins which may cause dermatitis.

FIRE AND EXPLOSION HAZARDS: PRODUCT CONTAINS LESS THAN 1% VOLATILE COMPONENTS. HOWEVER, VAPORS ARE HEAVIER THAN AIR AND COULD TRAVEL LONG DISTANCES, IGNITE, AND FLASHBACK. ELIMINATE ALL IGNITION SOURCES. Keep away

from heat, sparks and open flame and use necessary safety equipment, such as, air mask, explosion-proof electrical equipment, non-sparking tools and ladders, etc. Avoid contact with skin and breathing of vapor or spray mist. When working in tanks, rooms and other enclosed spaces, adequate ventilation must be provided. Refer to Plasite Bulletin PA-3. Keep out of the reach of children.

CAUTION - Read and follow all caution statements on this product data sheet, material safety data sheet and container label for this product.

This data sheet provides standard information on the coating and application procedure. Since varying conditions may not be covered, consult with your local sales representative or Carboline Technical Service Department for further information.

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