



POLYGUARD CA-14 A MASTIC

General Maintenance Liquid Coating
For Concrete and Masonry Structures

DESCRIPTION:

POLYGUARD CA-14 A MASTIC is a self-priming, single component coal tar mastic used to protect concrete or masonry substrates that are subject to aggressive conditions as well as dampproofing for below grade applications.

USES:

POLYGUARD CA-14 A MASTIC can be used above or below grade as a protective coating for concrete or masonry exposed to dampness and mild corrosive conditions. It is recommended for waste water treatment plants, for new construction and as a maintenance coating. No other use of this material is to be made without prior approval of **POLYGUARD PRODUCTS, INC.** as to service and method of application.

GUIDE SPECIFICATIONS:

HANDLING MATERIALS: **POLYGUARD CA-14 A MASTIC** shall be unloaded and stored in a manner as to prevent injury to the materials. All containers should be protected from weather and lids securely fastened. No packages should be dropped or thrown from trucks. Packages shall not be handled with hooks. In cold weather, materials shall be stored in heated buildings and transported in warmed vehicles. Store at temperatures above 60°F (16°C) until date of use.

SURFACE PREPARATION: Surface must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surface in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require surfacing.

PRIMING: Self-priming

TOPCOATS: Not recommended

DRY FILM THICKNESS: 18.0 mils (450 microns) in one or two coats. Total dry film thickness less than 12 mils (300 microns) or in excess of 30 mils (750 microns) not recommended.

COVERAGE RATE: 1090 mil ft² (26.7 m²/l at 25 microns). 60 sq. ft. per gallon at 18 dry mils with no allowance for substrate conditions or waste.

APPLICATION: **POLYGUARD CA-14 A MASTIC** may be applied by brush or roller. Use a short nap synthetic roller with phenolic core. If brushed use a medium bristle brush. **POLYGUARD CA-14 A MASTIC** are normally applied by a two coat system. The first coat should be thinned using up to 12 oz/gal (10%) with Thinner #10 prior to application. This provides for adequate "soak in". The first coat should be dry to the touch before the second coat is applied. Drying time will be dependent upon atmospheric and surface temperature after the coating is applied.

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This information is based on our best knowledge, but
POLYGUARD cannot guarantee the results to be obtained.



Polyguard is ISO 9001 certified since 1996.

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Normal	60°-85°F (16°-29°C)	60°-85°F (16°-29°C)	60°-90°F (16°-32°C)	0-80%
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	125°F (52°C)	110°F (43°C)	90%

Industry standards are for substrate temperatures to be above the dew point. This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can interfere with proper adhesion to the substrate.

CURING SCHEDULE

Surface Temp & 50% Relative Humidity	Dry to Touch	Minimum Recoat Time	Cure for Immersion
50°F (10°C)	24 Hours	36 Hours	30 Days
75°F (24°C)	12 Hours	24 Hours	14 Days
90°F (32°C)	8 Hours	16 Hours	7 Days

Backfilling / Burial: May be started 7 days after the final coat is applied, providing the surface temperature has remained above 60°F (16°C). These times are based on an 18.0 mil (450 microns) dry film thickness. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

PACKAGING, HANDLING & STORAGE: *POLYGUARD CA-14 A MASTIC* has a shelf life of minimum 24 months at 75°F (24°C) when kept at recommended storage conditions and in original unopened containers. Storage temperature and humidity should be 40°F - 110°F (4° - 43°C) with 0 - 100% relative humidity. A 5 gallon pail weighs 65lbs.

CLEANUP: Use Xylene. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

SAFETY: Read and follow all caution statements on the Material Safety Data sheet and on this product data sheet. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

VENTILATION: Warning! Vapors may cause explosion. When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

CAUTION: This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.