

Hypocoat 250

Water-Catalyzed Polyurethane Pedestrian Waterproofing System

DESCRIPTION

Hypocoat 250 is a liquid applied, high-solids, water-catalyzed polyurethane deck system that creates a seamless, joint-free, tack-free membrane for concrete, wood, and metal surfaces. Hypocoat 250 is a Class A Fire Rated System by Miami-Dade County.

The system utilizes the following components:

- Hypocoat PC Primer Coat
- Hypocoat BC Base Coat
- Hypocoat TC Top Coat

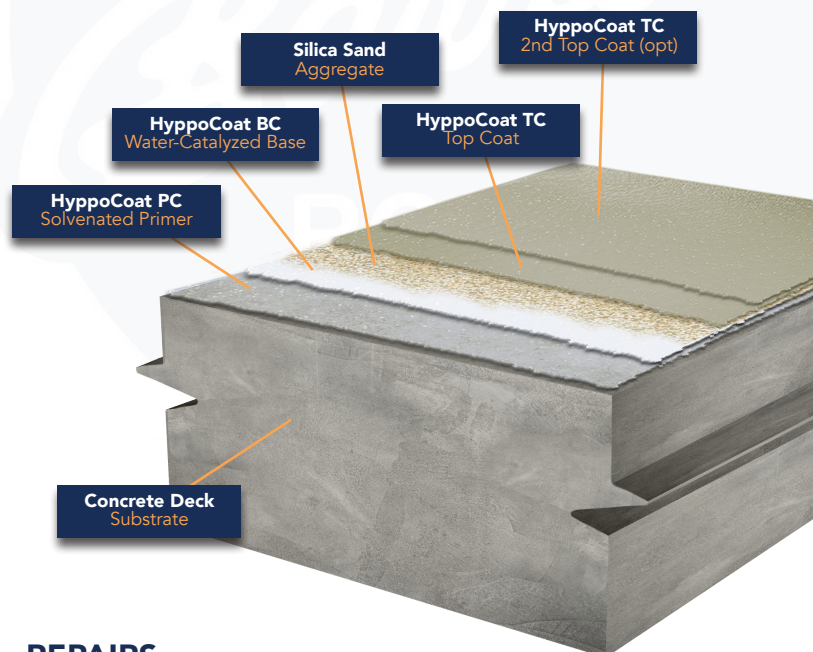
Hypocoat 250 can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. It will not soften in heat, nor will it become brittle in the cold.

When properly installed and maintained, Hypocoat 250 is a proven waterproofing system that will ensure years of service. Be sure to use the correct product grade that complies with VOC regulations as per federal, state, statutory bodies, county, and city regulations/codes within the place of product installation.

SURFACE PREPARATION

Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shotblasting or the use of a sufficient concrete surface cleaner. Peel and adhesion tests are recommended.

Install a 100-200 sq ft (9.30 – 18.58 sq m) mock-up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates, and functionality before proceeding. For project specifications, please contact a Barrett representative.



REPAIRS

Apply a polyurethane caulking or Hypocoat 250 mixed material over all joints, cracks, and flashing. Hypocoat 250 mixed material is a mixture of 4 parts Hypocoat BC and 1 part of water by volumes. Prime existing urethane coatings with Hypocoat PC.

Bridge the joints, cracks, and flashings with 4" (10 cm) polyester tape, pushing it into the 30 mil (762 microns) pre-stripe of basecoat. Alternatively, joints and cracks 1/16" (0.15 cm) or larger may be sealed flush with Liquid Flash 100 concealed with 4" (10 cm) Black Pearl® Butyl Tape (concrete must be primed first and allowed to dry).

Over reinforcement tape, apply a stripe coat of Hypocoat BC mixed material and taper it into the adjacent surface. No pre-stripe is necessary with the use of the Black Pearl® Butyl Tape. Allow the surface to cure for 1-2 hours.

PRIMING

Using a brush or a phenolic-core roller, prime surface with Hypocoat PC at a rate of 300 sq ft/gal. This will result in 3-5 dry mils (76-127 microns) of coating. Rough and pin-holed concrete surfaces may require more primer. Discovery of these issues is generally revealed in the mock-up (see above).

Allow primer to become tack-free before proceeding to the coating application. Typically, the primer can be considered nearly tack-free when it passes the thumbprint test. The thumbprint test is defined by when a thumbprint is left in the primer without the primer transferring onto the thumb. If the primer has been allowed to remain tack-free for more than 12 hours, it is necessary to solvent wipe the primed area and reprime.



ASTM C-957



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COATING APPLICATION

Apply HyppoCoat 250 mixed material to substrate at a rate of 40 sq ft/gal. As stated above, HyppoCoat 250 mixed material is a properly homogenous mixture made up of four parts of HyppoCoat BC and one part of water by volume. Application will require more or less material depending on substrate conditions.

Use a notched trowel or squeegee to spread HyppoCoat 250 mixed material evenly over the entire deck, resulting in a minimum 32 ± 2 dry mils (812 ± 50 microns) thick membrane.

While HyppoCoat 250 mixed material becomes gel, broadcast 16-30 mesh (0.595-1.19 mm) rounded silica sand with a minimum of 6.5 Mohs hardness until refusal. Normal usage for rubber granules is 20 lbs/100 sq ft.

When HyppoCoat 250 is stiff enough to support weight without imprinting or denting the coating, or when coating is dry (approximately 2-3 hours), remove all loose aggregate by sweeping, vacuum, or by blowing excess aggregate off the deck. Make any touch up or repairs. Allow repairs to cure.

TOPCOAT APPLICATION

Apply desired color of HyppoCoat TC at a rate of 100 sq ft/gal. This coat will result in an additional 14 ± 2 dry mils (355 ± 50 microns) thick coating. Size of aggregate will determine the precise coverage rate and should be noted at the installation of the mockup.

At 70°F (21°C) and 50% relative humidity, allow a min 16 hours and max 48 hours for topcoat to cure.

Optional Second Coat:

It is recommended to apply a second coat of desired color of HyppoCoat TC at a rate of 100 sq ft/gal. This coat will result in an additional minimum 14 ± 2 dry mils (355 ± 50 microns) thick coating. When using rubber aggregate, a minimum of two topcoats is required.

PACKAGING	PRODUCT	PACKAGING
	HyppoCoat BC Water-Catalyzed Base	Carton (30 lbs) 75 cartons/pallet
	HyppoCoat PC Epoxy-Polyamine Primer	Kit (2 Gal) Part A - Can (1 Gal) Part B - Can (1 Gal)
	HyppoCoat TC Aliphatic Topcoat	Kit (5 Gal) Part A - Pail (4 Gal) Part B - Jar (1.5 ltr)

FINISHED SYSTEM

When applied as directed above, HyppoCoat 250 Decking System will provide a minimum 46 dry mils (1168 dry microns) single topcoat or 60 mils (1523 microns) with a second topcoat. Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

Material mil thickness rates are calculated on the theoretical coverage for smooth substrates and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mock-ups of the project are recommended to determine the exact coverage rates necessary to waterproof the deck and acceptable standards. Imperfections, spalling, scalling, rough surfaces, potholes, slope correction, and other irregular textured surfaces may be filled in with appropriate broadcast sand and are estimated outside the stated minimum coverage rates reflected on Product Data Sheets.

NOTE: All product literature (i.e., technical & safety data sheets, application instructions, etc.) is currently available to download from the "Resource Library" on our website.

For questions regarding detailed specifications, application information, or any other general inquiries, please reach out to your local Barrett Technical Representative. You can also call us directly at (800) 647-0100 or email us at info@barrettroofs.com

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