HyppoCoat

Liquid Applied Trafficable Waterproofing & Deck Coating Systems

When it comes to **trafficable deck coatings,** Barrett is a name you can count on.

Barrett's liquid-applied trafficable deck coatings offer superior performance, protection, durability, and longevity. These specialty coating systems include both 1-component and 2-component waterproofing membranes, 1-component and 2-component aggregated wear coats, specialty colored aggregate and color flake finish systems, and a variety of surfacing options based on the needs of the finished application. In addition to providing a watertight membrane, our systems also offer a fast & easy solution for situations where the contractor's access to the area may be restricted (i.e. communal walkway, stairwell, balcony/pool decks, etc.)

We offer solutions for a variety of trafficable deck coating applications, including pedestrian, vehicular, under-tile, specialty, and more. These systems are engineered to work on horizontal and vertical applications for above- and below-grade projects. When it comes to moisture protection, Barrett is your permanent solution.

HyppoCoat 100
Hybrid Polyurea/Polyurethane Trafficable Deck Coating

HyppoCoat AP100
Asphalt-Extended Polyurethane Trafficable Deck Coating

HyppoCoat PC
Two-Component Solvenated Epoxy Polyamine Primer

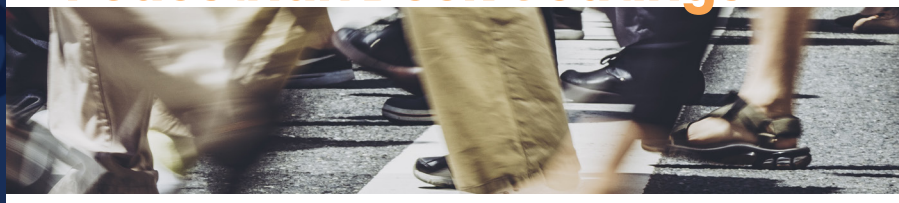
HyppoCoat BC
Water-Catalyzed Polyurethane Trafficable Base Membrane

HyppoCoat TC
Two-Component High Solids Aliphatic Elatomeric Top Coat

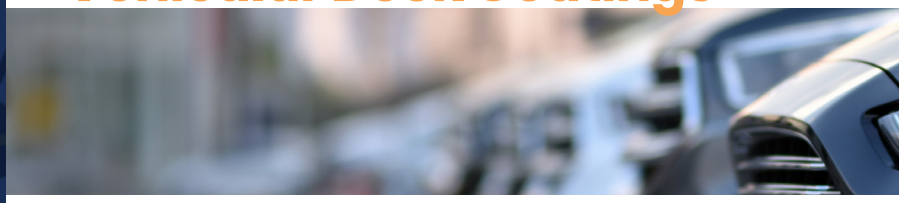
HyppoCoat GC
Single Component Modified Urethane Below-Grade Waterproofing Membrane

Liquid Flash 100
Single Component 100% Solids Polymerized Joint Sealant

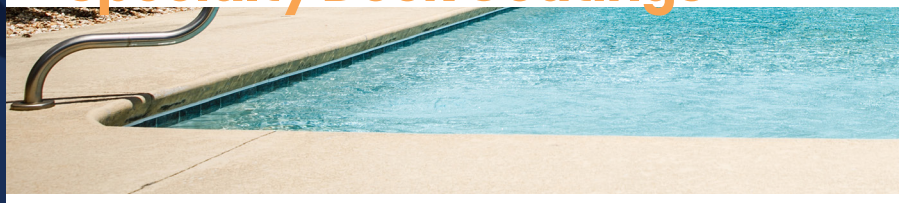
Pedestrian Deck Coatings



Vehicular Deck Coatings



Specialty Deck Coatings



Under-Tile Coatings

HyppoCoat | List of Tools

The following tools & accessories are recommended for use with our HyppoCoat hybrid polyurea/polyurethane trafficable waterproofing & deck coating systems.

1/2" and 3/8" Nap Roller Covers (x12 min)
(Use 3/8" nap for primer & 1/2" for backrolling/topcoat)

Roller Frames - 9"
with Extended Handles (x3-5)

Utility Knife

Margin Trowel

Solvent

Rags

Plastic gloves

Pool Trowel for sand slurry applications

Caulking Guns (Bulk and Cartridge)

Empty 5 gallon pails (x10)

Masking Paper with 2" Tape

Common and Phillips Screw Driver

5 gallon Paint Can Opener and/or 5-in-1 Tool

High speed HD Drill (900 RPM Minimum)

Mixing Paddle

2 ½ quart Measuring pails (x2 min)

Water Access and Hose

Chalk Line

3/4" and 3/8" masking and duck tape

Trash Bags

Weenie Rollers with Frames (x6)

Hammer

Sand or Aggregate
*No Home Depot Sand! — Consult with your Barrett Technical Representative on appropriate mesh

3" Paint Brush for Detailing (x5-10)

Brooms

Tin Snips & Needle Nose Pliers

Wood Stir Sticks

Small Hand Grinder

Trash Bags

40-60 Mil Squeegee Blades
with Handle and Frames

Polyethylene Film

***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**

HyppoCoat 100

Hybrid Polyurea/Polyurethane Single Coat Trafficable Deck Waterproofing System


EXIT

HyppoCoat 100

Hybrid Polyurea/Polyurethane Trafficable Deck Waterproofing Membrane

APPLICATION	Liquid Applied Membrane
INSTALLATION	Two Component
TECHNOLOGY	Elastomeric Polyurea/Polyurethane Hybrid

HyppoCoat 100 is an aliphatic two component, fast-setting, rapid-curing, solvent-free, high-performance, and high-solids polyurea/urethane polymer waterproof coating that can be utilized suitably for heavy-duty wearing surface applications on prepared interior or exterior concrete, plywood and metal surfaces.

Due to its fast gel time, HyppoCoat 100 is suitable for applications in temperatures as low as 20°F. It is also relatively insensitive to moisture and temperature, allowing for applications in various temperatures and humidity.

HyppoCoat 100 may be used as a stand-alone application for flooring, pedestrian and vehicular parking deck applications, as well as a membrane for waterproofing applications.

APPLICATIONS

- Parking Decks
- Walkways, Patios, & Stairways
- Porticos & Sun Rooms
- Metal Roofs
- Mechanical Rooms
- Heavy Duty Elastomeric Flooring
- Basketball Courts
- Pre-cast Joints
- Blocks & Masonry
- Curtain Walls

***HyppoCoat 100 may be applied at any rate to achieve desired thickness (Theoretical coverage for 1 mil thickness is one gallon per 1520 sqft).*

COVERAGE

Pedestrian	35 Dry Mils *43.4 sq ft/gal*
Vehicular	55 Dry Mils *27.6 sq ft/gal*

PACKAGING

Part A 5 Gal Pail (4 Gal Material)

Part B 1 Gal Pail

Part A 1 Gal Pail

Part B 1 Qt Can

FEATURES

- Single coat application at any thickness
- Excellent Weathering
- Seamless
- Labor Saving
- Non-Gassing
- User Friendly
- Fast Curing (1-4 hours)
- Resists Dirt Attraction
- Good Thermal Stability
- Excellent flexibility over extreme temperatures
- No Odor
- Recoatable
- Meets SCAQMD VOC Requirements

COLOR

White (Various Color Options Available)

PREPARATION

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shot blasting. Peel and adhesion tests are recommended.

Install a 100-200 sq ft (9.30-18.58 sqm) mockup of the system to be installed and approve for aesthetics, color, slip resistance, actual coverage rates and functionality before proceeding.

MIXING

Using a mechanical mixer, first pre-mix separately Part A and Part B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour Part B into Part A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part A and Part B mixture thoroughly until uniform color is obtained.

NOTE: HyppoCoat 100 may NOT be diluted under any circumstances. Do NOT estimate; proportions are precisely premeasured for optimal results.

APPLICATION

For best results, use a squeegee or notched trowel to spread HyppoCoat 100 evenly over the entire deck surface. HyppoCoat 100 should be applied at a temperature of 20°F (-6.7°C) and above. Curing time will depend on temperature.

JOINTS, CRACKS, & FLASHING

Apply a single or two component non-gassing polyurethane sealant over all joints, cracks and flashing. Bridge the joints, cracks and flashing with 2.75 - 4" polyester or polyurethane foam tape, pushing the tape into the 20 mil pre-stripe of the basecoat.

Over reinforcement tape, apply a pre-stripe coat of HyppoCoat 100 material and taper it onto the adjacent surface. Allow the surface to cure for around 1 to 2 hrs.

EQUIPMENT CLEANUP

Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations.after use.

STORAGE

It is recommended that HyppoCoat 100 be stored indoors at a temperature between 60-95°F (15-35°C).

SHELF LIFE

HyppoCoat 100 has a shelf life of one year from the date of manufacture when stored in its original, factory-sealed container within the recommended setting

APPROVALS

ASTM INTERNATIONAL

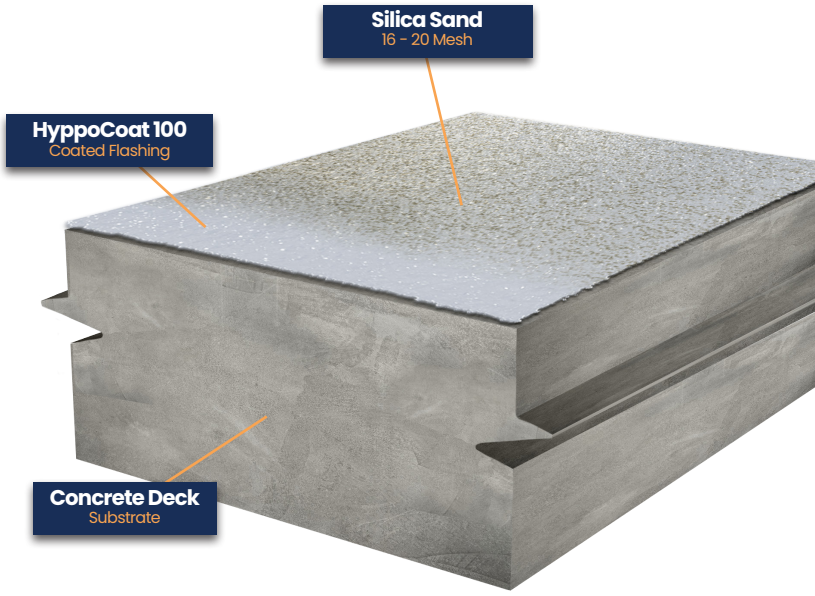
ASTM C-836
ASTM E-96

TECHNICAL PROPERTIES

Hardness	80 ± 3 (Shore A)	ASTM D2240
Tear Resistance	300 ± 25 pli	ASTM D624
Tensile Strength	2500 ± 100 psi	ASTM D412
Elongation	800 ± 100%	ASTM D412
Pot Life	10 ± 2 min	
Tack-Free Time	3-4 hrs	
Solids (Weight)	94 ± 3%	ASTM D2369
Solids (Volume)	95 ± 3%	ASTM D2697
Split Tear	100 ± 10 pli	ASTM D470
VOCs	0.49 lb/gal	ASTM D2369-81
Relative Density	A = 1.05 ± 0.1 B = 0.99 ± 0.1	
Viscosity (75°F)	A = 1500-2000 cps B = 50-150 cps	

HyppoCoat 100

Hybrid Polyurea/Polyurethane Deck Waterproofing System



DESCRIPTION

HyppoCoat 100 is a 100% solids, self-leveling, rapid-curing, liquid applied hybrid polyurea/polyurethane waterproof deck coating system. The system utilizes one coat of our two-component **HyppoCoat 100** elastomeric coating as a basecoat. Depending on surface and aggregate, **HyppoCoat TC** hybrid aliphatic polyurea topcoat may also be used.

HyppoCoat 100 is a user friendly, low odor coating system that is specifically designed to be capable of withstanding both light and heavy pedestrian traffic. Its high-elongation elastomeric properties allow the system to expand and contract with normal structural movements. It can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on pedestrian decks. It will neither soften nor embrittle in cold weather.

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 single or two-component, non-gassing polyurethane sealant over all joints, cracks, and flashing. 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) sealant tape (concrete must be primed first and allowed to dry).

Over reinforcement tape, apply a 10-15 mil pre-stripe coat of HyppoCoat 100 material and taper it into the adjacent surface. No pre-stripe is necessary with the use of a sealant tape. Allow the surface to cure for 1-2 hours.

APPLICATION OF BASE FLASHINGS

Before installing the primary horizontal membrane, flashings are installed with HyppoCoat 100 and PolyFelt 125VP non-woven reinforcement fabric. The minimum required height for base flashings is 8" & the maximum is 30".

Apply 125 mils of HyppoCoat 100 material 8" onto the horizontal plane and 8" on the vertical plane. Immediately apply 1 ply of PolyFelt 125VP into the material on the horizontal surface, embedding it tightly into the cove before placing it up the vertical surfaces. Sheeting must be completely embedded and free of wrinkles or fishmouths. All laps in the PolyFelt 125VP must be at least 4" & completely sealed with HyppoCoat 100.

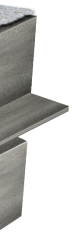
Using a roller or squeegee, apply a layer of HyppoCoat 100 at a minimum of 125 mils over the entire assembly. The neoprene must be tightly pressed into the cove area. Install a termination bar with appropriate fasteners on 8" centers. Seal the top edge of all flashings and provide metal counterflashing.

ASTM INTERNATIONAL

ASTM C-957
ASTM C-579

MIAMI-DADE COUNTY APPROVED

USDA



PRIMING (per application)

Before installing the primary horizontal membrane, prime surface with HyppoCoat PC at a rate of 300 sq ft/gal using an airless sprayer, brush, or a phenolic-core roller. 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).

HyppoCoat PC/PC+ Side-A and Side-B should each be thoroughly mixed individually prior to combining to ensure a homogeneous material. The volume mixing ratio is 1 part Side-A to 1 part Side-B (1A:1B). Once combined, the material should be thoroughly mixed using a mechanical mixer at a slow speed, or for at least 5 minutes if mixing by hand.

Allow primer to become tack-free before proceeded 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.

Do not allow primer to dry more than 24 hours after being tacky before coating with base coat. If the primer has been allowed to remain tack-free for more than 24 hours, it is necessary to solvent wipe the primed area and reprime at 300-400 sq ft/gal. Alternatively, sand can be broadcast into the primer while it is wet or tacky to prevent re-priming application.

COATING APPLICATION

Pour Part B (1 gal) into Part A (5 gal) and mix thoroughly for approximately 2-3 min from bottom to top. Once thoroughly mixed, pour the material out in a stream along the short side of the deck. Using a notched trowel or squeegee, spread HyppoCoat 100 mixed material evenly over the entire deck at a rate of 25 sq ft/gal. A phenolic core roller may be used, but extra care should be taken to prevent air bubbles.

The potlife of HyppoCoat 100 is roughly 8-10 minutes. Throw all aggregate into the material after 12-14 minutes. Recoats must be done within 24 hours of cure. Application will require more or less material depending on substrate conditions. Time for thickening to a firm, tacky state is dependant on atmospheric and environmental conditions, especially temperature and humidity.

Fill all deep pockets and heavily exposed aggregate surface areas until the rough aggregate is completely covered by the base coat. HyppoCoat 100 may be applied at any thickness in one application without gassing to fill in repair areas, spalls, and deep patching.

PACKAGING

PRODUCT	PACKAGING
HyppoCoat 100 Urethane Hybrid Base	**Kit** (5 Gal) Part A - Pail (4 Gal) Part B - Jar (1 Gal)
PolyFelt 125VP Polyester Reinforcement Fabric	**Roll** (22 lbs) 39.4" x 327' 25 rolls/pallet

When HyppoCoat 100 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.

Slurry Mix for Patching & Sloping

Pour Part B (1 gal) into Part A (5 gal) and mix thoroughly for approximately 2-3 min from bottom to top. Add clean, wash dried, silica sand to desired viscosity.

> ***CAUTION:*** *Do NOT overload with sand. There should always be sufficient resin to bind the aggregates to the coating and ensure that the slurry is "trowelable".*

Once thoroughly mixed, pour the material out in a stream along the short side of the deck. Using a notched trowel or squeegee, spread HyppoCoat 100 mixed material evenly over the entire deck at a rate of 25 sq ft/gal. Use xylene on the trowel to help form and shape the slope. A phenolic core roller may be used, but extra care should be taken to prevent air bubbles.

Aggregate Broadcast

Roughly 12-14 minutes after the material has been applied, apply 64 mesh aluminum oxide into the wet base coat at a rate of 1-3 lbs/100 sq ft.

HyppoCoat 100DC | Trafficable Deck Coating System

LIGHT COATING

Water-Induced Urethane basecoat (TDI free)

Light Deck Coating:
64 ± 3 dry mils (1600 ± 75 dry microns) exclusive of aggregate

HyppoCoat PC/PC+	HyppoCoat 100	Aluminum Oxide	HyppoCoat TC
Rate: 1 gal/300 sqft (300 sqft/gal) • 4 ± 1 dry mils	**Rate:** 4 gal/100 sqft (25 sqft/gal) • 60 ± 2 dry mils **Optional:** Mix in Silica Sand for Sloping & Patching	• 64 mesh **Rate:** 1 - 3 lbs/100 sqft	-

HEAVY COATING

Water-Induced Urethane basecoat (TDI free)

Heavy Deck Coating:
91 ± 5 dry mils (2275 ± 125 dry microns) with topcoat exclusive of aggregate

HyppoCoat PC/PC+	HyppoCoat 100	Aluminum Oxide	HyppoCoat TC
Rate: 1 gal/300 sqft (300 sqft/gal) • 4 ± 1 dry mils	**Rate:** 4 gal/100 sqft (25 sqft/gal) • 60 ± 2 dry mils **Optional:** Mix in Silica Sand for Sloping & Patching	• 64 mesh **Rate:** 1 - 3 lbs/100 sqft	**Rate:** 2 gal/100 sqft (50 sqft/gal) • 27 ± 2 dry mils

LIMITATIONS

Concrete:
The following conditions must not be coated with HyppoCoat 100 deck coating systems/products: Below-grade slabs; Split slabs with buried membrane; Sandwich slabs with insulation; Slabs over unvented metal pan; Suspended pool/swimming pool; Asphalt overlays without the express written consent of Barrett. HyppoCoat 100 is not recommended over magnesite, gypsum lightweight, and where chained or studded tires may be used.

Concrete must exhibit 3000 psi minimum strength. An ICRI CSP 3 surface or greater is required for concrete surfaces to be coated. New concrete must be cured for 28 days unless otherwise approved by Barrett in writing. New surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids, and concrete droppings that would be mechanically detrimental to coating application or function. Light broom finished concrete should be power washed before coating application. Concrete cleaning and surface preparation may be completed by shotblasting or with the use of an appropriate cleaner. Peel and adhesion tests are highly recommended.

Plywood:
The only acceptable grade of plywood is APA-rated exterior grade or better. The appearance of the panel grade should be considered. Plywood should be new or cleaned and sanded.

HyppoCoat Decking Systems will not withstand rising water tables or hydrostatic pressure on slab-on-grade decks. Additionally, uncured materials are sensitive to head and moisture. A continuous coating application should ensure a deck with no lines or streaks, given the substrate is structurally sound and sloped for proper drainage. Barrett assumes no liability for substrate defects.

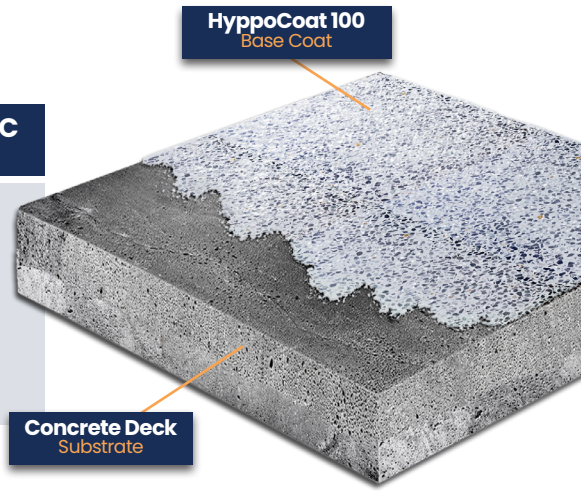
NOTE: All product literature (i.e., technical & safety data sheets, application instructions, etc.) is currently available to download from the "Resource Library" on our website.

For questions regarding detailed specifications, application information, or any other general inquiries, please reach out to your local Barrett Technical Representative. You can

HyppoCoat 100
Warranty Requirements

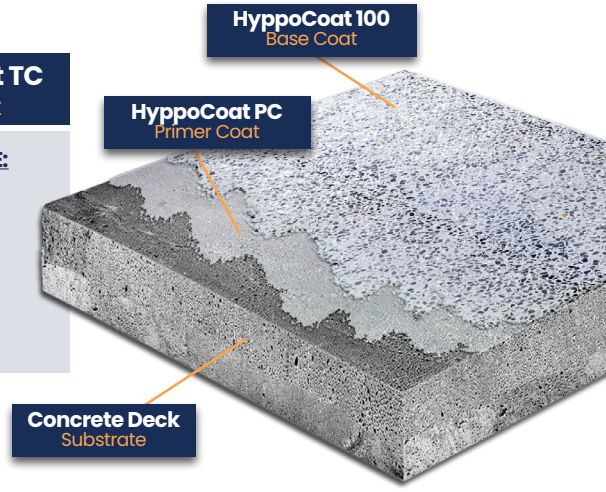
10-Year Material Only & Authorized Approved Applicator Only

HyppoCoat PC Primer Coat	HyppoCoat 100 Base Coat	Aggregate Surface Coat	HyppoCoat TC Top Coat
COVERAGE: N/A	**PEDESTRIAN:** 35 mils (43.4 sqft/gal) **VEHICULAR:** 55 mils (27.6 sqft/gal)	**ALUMINUM OXIDE:** Premix with Deck Coating **FLAKE, QUARTZ, & SILICA SAND:** 16/30; 30/60 Broadcast	**COVERAGE:** N/A



+ 10-Year Labor & Material Warranty

HyppoCoat PC Primer Coat	HyppoCoat 100 Base Coat	Aggregate Surface Coat	HyppoCoat TC Top Coat
COVERAGE: 10 mils (152 sqft/gal)	**PEDESTRIAN:** 35 mils (43.4 sqft/gal) **VEHICULAR:** 55 mils (27.6 sqft/gal)	**ALUMINUM OXIDE:** Premix with Deck Coating **FLAKE, QUARTZ, & SILICA SAND:** 16/30; 30/60 Broadcast	**COVERAGE:** N/A



TERMS & CONDITIONS

- Inspect coating every 5 years.
- Recoat required on the 10th year. (Min 20 mils of HyppoCoat 100)
- Contact a Barrett Technical Sales Representative prior to application for approved system of products based on substrate & job conditions

**Roof, Plaza, Parking, and Balcony Decks that call for waterproofing over a condition space will REQUIRE a 48-hour/2" Flood Test or ILD/EFVM system.

Additional Approved Products Over HyppoCoat 100:

- RamDrain or Barrett approved drainage board & root barrier
- Pavers & Pedestal components only
- Dow Chemical, Owens Corning, Kingspan, & Insulfoam XPS/EPS insulation (min. 60 PSI)
- TORGINOL® Quartz Color Granules/Flake Chips
- Chips Unlimited Flake Chips

HyppoCoat 250

Water-Catalyzed Polyurethane Pedestrian & Vehicular Deck Waterproofing System

HyppoCoat 250

HyppoCoat PC

Two-Component Solvenated Epoxy-Polyamine Primer

MIAMI-DADE COUNTY APPROVED

APPLICATION	Liquid Primer
INSTALLATION	Two Component
TECHNOLOGY	Solvenated Epoxy-Polyamine

HyppoCoat PC is a two component, solvenated, epoxy-polyamine liquid-applied primer with unique penetrating characteristics. This primer is recommended for metal flashings and other medium to heavy duty traffic areas in outdoor applications.

Two versions of this primer can be used:

- **HyppoCoat PC** (100 VOCs)
- **HyppoCoat PC+** (250 VOCs)

Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

SUBSTRATES

- Concrete
- Glass-Reinforced Plastics
- Metal
- Plywood
- Masonry
- Polyurethane Elastomeric

COVERAGE

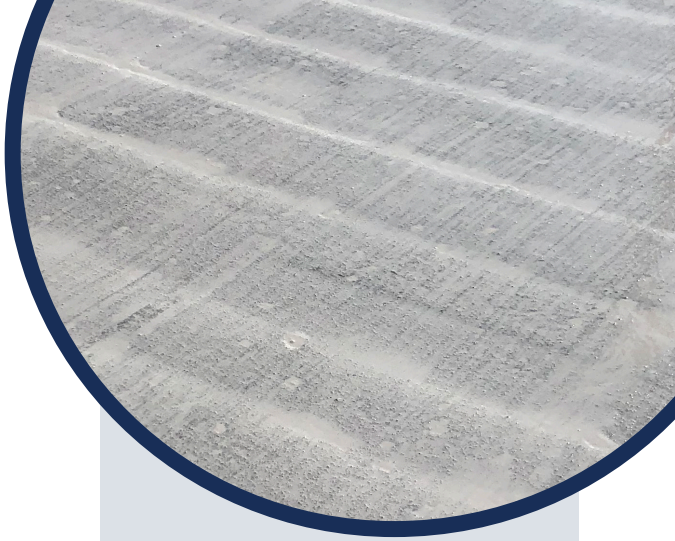
4±1 mils

300 *sq ft/gal*

PACKAGING

Part A 1 Gal Pail

Part B 1 Gal Pail



FEATURES

- Excellent Adhesion
- Low Viscosity
- Seals Concrete
- Pedestrian & Vehicular Traffic Applications
- For use in SCAQMD areas, use only our HyppoCoat PC+

COLOR

Side A: Blue

Side B: Yellow

SURFACE PREPARATION

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.

MIXING

HyppoCoat PC/PC+ Side-A and Side-B should each be thoroughly mixed individually prior to combining to ensure a homogeneous material. The volume mixing ratio is 1 part Side-A to 1 part Side-B (1A:1B). Once combined, the material should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixing by hand.

APPLICATION

HyppoCoat PC/PC+ should be applied at the rate of 1 gal (mix of Side-A & Side-B) in an even, puddle-free application per 300 sqft or 300 sqft/gal. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Where any pinholes and small cavities are present in the concrete, these voids should be filled with primer and allowed to dry to prevent outgassing in succeeding coats of deck coating.

CURING

Coverage rates & cure times will vary depending on temperature, relative humidity, roughness and porosity of surface, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and not guaranteed. Allow HyppoCoat PC/PC+ to become thumbprint-tack free before applying the coating. Heavy applications of primer for void filling will require longer dry times to ensure a completely dry-to-touch film. Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

EQUIPMENT CLEANUP

Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations.

SHELF LIFE & STORAGE

HyppoCoat PC/PC+ has a shelf life of one year from the date of manufacture when stored indoors within the recommended temperature range of 60-95°F (15-35°C) in its original, factory-sealed container.

	PROPERTIES	MEASUREMENT	TEST METHOD
HYPPOCOAT PC	Pot Life @75°F	75 ± 15 min (dry)	–
	Dry Film Thickness (@300 sq ft/gal)	4 ± 1 mils	–
	Relative Density	A-Side: 1.27 ± 0.1 B-Side: 1.85 ± 0.1	–
	Viscosity @75°F	600 ± 50 cps	–
	Solids (Weight)	90 ± 2%	ASTM D2369
	Solids (Volume)	84 ± 2%	ASTM D2697
	VOCs	0.75 lb/gal	ASTM D2369-81

	PROPERTIES	MEASUREMENT	TEST METHOD
HYPPOCOAT PC+	Pot Life @75°F	75 ± 15 min (dry)	–
	Dry Film Thickness (@300 sq ft/gal)	4 ± 1 mils	–
	Relative Density	A-Side: 1.27 ± 0.1 B-Side: 1.85 ± 0.1	–
	Viscosity @75°F	600 ± 50 cps	–
	Solids (Weight)	90 ± 2%	ASTM D2369
	Solids (Volume)	84 ± 2%	ASTM D2697
	VOCs	0.75 lb/gal	ASTM D2369-81

- Not UV stable
- Surfaces must be dry, clean, and free of all foreign matter
- Difficult to clean up after material has cured
- Mix only what can be used within 20 minutes
- Do not dilute
- Opened containers must be used as soon as possible

HyppoCoat PC/PC+ (Side A and Side B) are considered Dangerous Goods. DOT regulations classify it as: Paint, CLASS #, UN 1263, PG III, FLAMMABLE LIQUID.

WARNING: This product contains epoxy resin & curatives.

HyppoCoat BC

Water-Catalyzed Polyurethane Trafficable Base Membrane

MIAMI-DADE COUNTY APPROVED

APPLICATION	Liquid Applied Membrane
INSTALLATION	Single Component
TECHNOLOGY	Water-Catalyzed Polyurethane

HyppoCoat BC is a non-gassing, solvent-free, single component, liquid applied, water-catalyzed, polyurethane, elastomeric waterproofing basecoat used in Barrett's HyppoCoat 250 Trafficable Waterproofing System.

This unique product allows the base membrane to be applied in one application up to 3" (7.6 cm) deep down to a feather edge and cures simultaneously throughout the coating in approximately 4 hours at 75°F (24°C) and 50% relative humidity. The basecoat may be used for very rough or highly textured surfaces and where sloping or pond filling is desired.

Please use the correct product grade that complies with VOC regulations as per federal, state, county, and city regulations/ codes that adhere to the location of product installation.

APPLICATIONS

- Concrete Bridges
- Concrete & Plywood Decks
- Fillling Ponding Water Locations
- Light Auto Traffic
- Under-Tile Waterproofing
- Mechanical Room Waterproofing
- Pedestrian Traffic
- Sloping Decks
- Tank Linings & Coatings
- Balconies & Breezeways

COVERAGE

1 mil

1,488 *sq ft/gal*

PACKAGING

55 Gal Drum

5 Gal Pail

1 Gal Can

Catalyst

FEATURES

- Single coat application at any thickness
- High Tensile Strength
- Miami-Dade Approved
- Seamless
- Labor Saving
- Non-Gassing
- User Friendly
- Fast Curing
- Solvent Free
- Proven Protection

COLOR

- White

PREPARATION

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shot blasting. Peel and adhesion tests are recommended.

Install a 100-200 sq ft (9.30-18.58 sqm) mockup of the system to be installed and approve for aesthetics, color, slip resistance, actual coverage rates and functionality before proceeding.

MIXING

Before application, premix HyppoCoat BC using a mechanical mixer (Jiffy mixer) at slow speed. If mixing by hand, mix at least 5 minutes or until a homogeneous mixture and color is attained. Mix carefully so as to not allow for the entrapment of air into the mixture.

OPTIONAL: Add catalyst (one vial per 5 gallon or 18.9 liters pail) and mix thoroughly until a homogeneous mixture and color is attained. Catalyst will reduce cure time for cold temperature applications. Depending upon environmental conditions up to 3 vial of catalyst per 5 gallons (18.9 liters) may be used.

Mix pre-accelerated HyppoCoat BC with water at a volume ratio of 4:1 (4 gallons or 15.4 liters of HyppoCoat 250 with 1 gallon or 3.78 liters of water.

For 5 gallons or 18.9 liters of HyppoCoat BC, add 1.25 gallon or 4.725 liters of water. Mix the material thoroughly until water is completely combined with HyppoCoat BC.

APPROVALS

ASTM INTERNATIONAL

ASTM C-957

ASTM C-579

MIAMI-DADE COUNTY APPROVED

USDA

JOINTS, CRACKS, & FLASHING

Apply a single or two component non-gassing polyurethane sealant over all joints, cracks and flashing. Bridge the joints, cracks and flashing with 2.75 - 4" polyester or polyurethane foam tape, pushing the tape into the 20 mil pre-stripe of the basecoat.

Alternatively, joints and cracks 1/16" or larger may be sealed flush with HyppoCoat BC concealed with 4" (10 cm) tape. Concrete must be primed first and allow to dry.

APPLICATION

For best results use a squeegee or notched trowel. Airless sprayer or phenolic resin-core roller may be used, but extra care should be taken not to trap air which could result in bubbles.

Spread HyppoCoat BC mixture evenly over the entire deck. Application should not be stopped part way across an area. Each application should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks to disfigure the deck coating.

Granule Surfacing

When HyppoCoat BC mixed material begins to gel (appr. 15 minutes after placement), broadcast 14-30 mesh (0.595-1.41 mm) rubber granules into the wet membrane to refusal. Normal usage is 20 lbs of rubber granules 100 sqft (0.98 kg/sqm).

Sand Surfacing

When broadcasting silica sand, allow membrane to thicken to a firm and sticky surface (approximately 30-45 min) when the sand will adhere but not sink into the base coat. The aggregate should be dry, washed, and rounded silica in the, 12-20, 16-30 or 20-40 mesh (0.841-1.68 mm; 0.595-1.19 mm; 0.420-0.841 mm) size and a 6.5 Mohs scale minimum hardness as required by customer specifications or as specified in the system specifications.

Time for thickening to a firm, sticky condition is dependent on atmospheric environments, especially temperature and humidity. Allow coating to cure 2-4 hours before proceeding to subsequent coats.

COVERAGE

HyppoCoat BC may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil (25.4 microns) thickness is one gallon per 1488 sqft (138 sqm). Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness, porosity, aggregate selection, embedment, and user technique during application. Coverage rates provided are optimal and are not guaranteed.

CURING

Allow each coat to cure (depending on environmental conditions and temperature) a minimum of 2-4 hours and a maximum of 24 hours. If more than 24 hours passes between coats, reprime the surfaces with HyppoCoat PC before proceeding. Repriming is not necessary if a complete sand broadcast of aggregates to refusal has been placed during the thumbprint tacky stage. All aggregates should be broadcast to refusal while the basecoat is firm but thumbprint tacky at the surface.

HyppoCoat BC is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Low temperature and/or low humidity will extend the cure time. Use caution in batch sizes and thickness of application.

EQUIPMENT CLEANUP

Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations.after use.

STORAGE

It is recommended that HyppoCoat BC be stored indoors at a temperature between 60-95°F (15-35°C).

SHELF LIFE

HyppoCoat BC has a shelf life of one year from the date of manufacture when stored in its original, factory-sealed container within the recommended setting.

	PROPERTIES	MEASUREMENT	TEST METHOD
TECHNICAL PROPERTIES	Hardness	60 ± 5 (Shore A)	ASTM D2240
	Tear Resistance	250 ± 25 pli	ASTM D624
	Tensile Strength	1350 ± 150 psi	ASTM D412
	Elongation	675 ± 50%	ASTM D412
	Viscosity (75°F)	2000-3000 ± 300 cps	-
	Relative Density	1.08 ± 0.1	-
	Solids (Weight)	94 ± 3%	ASTM D2369
	Solids (Volume)	95 ± 3%	ASTM D2697
	VOCs	0.5 lbs/gal	ASTM D2369-81

ASTM C-579

Compression Test Results of >25,000 psi

	SAMPLE ID	DIMENSIONS	MAXIMUM LOAD	COMPRESSIVE STRENGTH	FAILURE MODE	RESULTS/ COMMENTS
TEST RESULTS	PTSI-SS-1	2.004	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears
	PTSI-SS-2	1.999	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears
	PTSI-SS-3	2.015	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears
	PTSI-SS-4	2.011	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears
	PTSI-SS-5	2.006	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears
	PTSI-SS-6	2.012	>100 kN	>25,000 psi	>25,000 psi	No defects, splits, or tears

HyppoCoat TC

Two-Component High Solids Aliphatic Elastomeric Top Coat

MIAMI-DADE COUNTY APPROVED

APPLICATION	Liquid Applied Top Coat
INSTALLATION	Two Component
TECHNOLOGY	Aliphatic Hybrid

HyppoCoat TC is a two-component, very high solids, aliphatic hybrid elastomeric topcoat. HyppoCoat TC is odor friendly, fast-setting, rapid-curing, and can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications in temperatures as low as 20°F (-6.7°C).

Please use the correct product grade that complies with VOC regulations as per federal, state, county, and city regulations/codes that adhere to the location of product installation.

APPLICATIONS

- Parking Decks & Vehicular Ramps
- Heavy Duty Vehicular Traffic
- Mechanical Room Floors
- Tunnels
- Balconies & Breezeways
- Kennels
- Plaza Decks

COVERAGE

1 mil

**See Individual Guide Specs for Coverages*

PACKAGING

Part A 5 Gal Pail

Part B 1/2 Gal Jar

DARK GRAY | MEDIUM GRAY | LIGHT GRAY

CHOCOLATE | ASH BROWN | BRICK RED

DARK TAN | TAN

**Custom colors are available for*

FEATURES

- Environmentally Friendly
- Environmentally Safe
- Fast Curing
- Good Chemical Resistance
- Low Odor
- Meets ASTM C-957
- Meets USDA Criteria
- MIAMI DADE Approved
- Non-Gassing
- Seamless

COLOR

- Grey

PREPARATION

Install a 100-200 sq ft (9.30-18.58 sqm) mockup of the system to be installed and approve for aesthetics, color, slip resistance, actual coverage rates and functionality before proceeding.

Surfaces shall be broomed clean, dry, sound and free of voids, bugholes, rockpockets, honeycombs, protrusions, excessive roughness, foreign matter, frost, ice and other contaminants which may inhibit application or performance of the waterproof coating system.

Use suitable abrasive methods, remove residue of form release, curing compounds, chemical retarders, and other surface treatments, mortar smear, saw-cutting residue, mill scale, rust, loose material and other contaminants from concrete, masonry, and ferrous metal surfaces to receive the work in this section.

Concrete:

- Provide a surface with a smooth finish, followed by a fine-hair broom.
- All previous concrete patches must be sounded and inspected for acceptability prior to application of the coating.
- Unsound patches are to be replaced for acceptability prior to coating application.
- Unsound patches are to be replaced. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3.
- Depending on the condition of the deck, a minimum of 3,500 to 5000 psi powerwash, as well as shotblasting, may be acceptable. Peel and adhesion tests are recommended.

For more product/application information or for project specific recommendations, please contact Barrett directly.

MIXING

Before application, pre-mix Side-A of HyppoCoat TC using a mechanical mixer at slow speed. Add Side-B of HyppoCoat TC and continue mixing until a homogeneous mixture and color is attained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life. Box the remaining gallons of the last-used batch numbers with the new batch number to prevent hue or shading variation.

APPLICATION

Apply HyppoCoat TC evenly, over the entire deck using a 10:1 ratio. Apply by notched squeegee or notched trowel over the entire deck. A continuous coating application is required to minimize line and/or streaking. To obtain proper adhesion between coats, it is imperative that recoating be completed within 24 hours.

CURING

At 77ºF (25ºC) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours. If more than 24 hours passes between coats, reprime the surface with HyppoCoat PC before proceeding.

At 77ºF (25ºC) and 50% relative humidity, allow a minimum 48 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

HyppoCoat TC is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes.

EQUIPMENT CLEANUP

Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations.after use.

SHELF LIFE & STORAGE

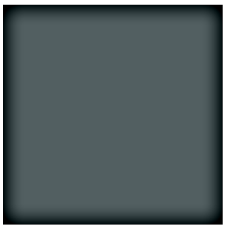
HyppoCoat 250 has a shelf life of one year from the date of manufacture when stored in its original, factory-sealed container when stored indoors within the recommended temperature range of 60-95ºF (15-35ºC).

COLOR CHART

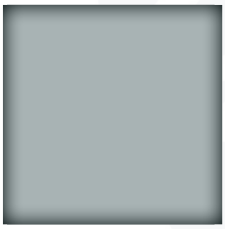
HyppoCoat TC can be customized to match the following colors (minimum order quantity for custom colors = 500 gallons)

For more info, please contact Barrett directly

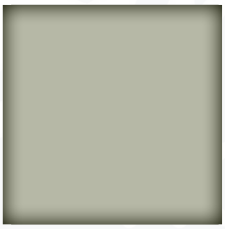
DARK GRAY



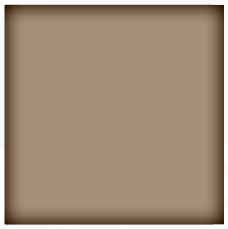
MEDIUM GRAY



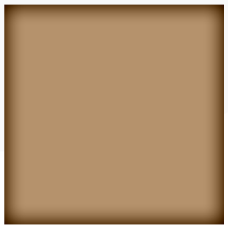
LIGHT GRAY



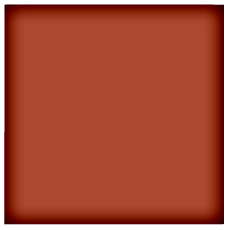
CHOCOLATE



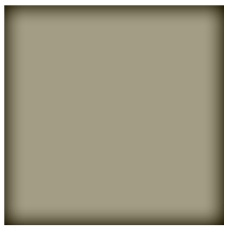
ASH BROWN



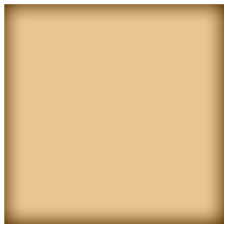
BRICK RED



DARK TAN



TAN



TECHNICAL PROPERTIES

PROPERTIES	MEASUREMENT	TEST METHOD
Coverage	See Individual Guide Specs	–
Mix Ratio (A:B)	10:1	–
Dry Film Thickness (@100 sq ft/gal)	14 ± 2 mils	–
Pot Life at 50% (75°F)	30 ± 10 min	–
Cure Time at 50% (75°F)	2 - 4 hours	–
Viscosity (75°F)	A-Side: 1500 - 2500 psi B-Side: 50 - 100 psi	ASTM D624
Relative Density	A-Side: 1.1 ± 0.1 B-Side: 0.94 ± 0.1	–
Solids (Weight)	88 ± 2%	ASTM D2369
Solids (Volume)	87 ± 2%	ASTM D2697
VOCs	<0.5 lbs/gal	ASTM D2369-81
Hardness	85 ± 5 (Shore A)	ASTM D2240
Tear Resistance	300 ± 20 pli	ASTM D624
Tensile Strength	3200 ± 10 psi	ASTM D412
Elongation	450 ± 10%	ASTM D412
Water Absorption	1.3% by weight	ASTM D471
Moisture Vapor Transmission	1.54 perms	ASTM E96
Adhesive Peel Strength on Primed Concrete	40 ± 10 pli	ASTM D903
UV Stability (@ 2000 hrs)	No Cracking or Crazing; No Physical Damage	–

APPROVALS

ASTM INTERNATIONAL

ASTM C-957

ASTM C-579

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LIMITED WARRANTY: Barrett warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Barrett makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to The Barrett Company, LLC. Barrett to replace or to refund the purchase price of the quantity of Barrett proven to be defective, and Barrett shall not be liable for any loss or damage.

Liquid Flash 100

Single-Component, High Performance 100% Solids Joint Waterproofing Sealant

APPLICATION	Joint Waterproofing Sealant
INSTALLATION	Single Component
TECHNOLOGY	Hybrid Polymer

Liquid Flash 100 (100% Solids) is a high-performance interior/exterior joint sealant for use in both moving and non-moving joint applications. Liquid Flash 100 provides a long-lasting weathertight seal to a variety of building substrates.

APPLICATIONS

- Block
- Masonry
- Curtain Walls
- Parapets
- Roofing Details
- Weather Sealing
- Cove Joints
- Expansion Joints
- Pre-Cast Concrete
- Siding
- Window Frames
- Door Frames

SUBSTRATES

- Block
- Concrete
- Foam
- Masonry
- PVC
- Stone
- Wood
- Aluminum
- Brick
- EPDM
- Galvanized Metal
- Metal
- SBS Mod Bitumen
- Vinyl

PACKAGING

Cartridge (10 oz) **Sausage** (20 oz) **Pail** (2 Gal)

COLORS

- Black
- Tan
- Gray
- White
- Stone
- Dark Bronze
- Bronze
- Limestone

FEATURES

- 100% Solids = no Shrinkage
- Applies Vertically & Overhead
- Bonds to Damp Masonry
- Durable, Lasting Seal
- Easy to Trowel & Gun
- Excellent Weathering Properties
- Fast Skinning - Resists Dirt
- Gun Grade
- Hybrid Substrate Bonding
- No Mixing or Priming
- No Solvents or Odor
- Non-Slump
- Safe in Confined Spaces
- Single Component
- Unique Polymer
- Water Curable

JOINT PREPARATION

Joints should be cleaned, dry, and free from all contamination including dirt, oils, grease, tar, wax, rust and any other substance that may inhibit the sealant's performance.

	JOINT WIDTH	JOINT DEPTH
JOINTS	1/4" - 1/2" (6 - 13mm)	1/4" (6mm)
	1/2" - 3/4" (13 - 19mm)	1/4" - 3/8" (6 - 10mm)
	3/4" - 1" (19 - 25mm)	3/8" - 1/2" (10 - 13mm)
	1" - 2" (25 - 50mm)	1/2" (13mm)

JOINT DESIGN

Install all joint applications per ASTM and SWRI recommendations and guidelines. Joints shall be designed with a depth to width ratio of 1:2 (joint depth one-half the width). Refer to ASTM and SWRI for Joint Prep guidelines. It is recommended that the joint shall be no less than 1/4" wide by 1/4" deep (6 mm x 6 mm. The maximum depth of sealant shall be 1/2" (13 mm). Control the depth of the sealant by using a backer rod that is 25% larger than the joint opening at standard temperature.

Where the joint configuration will not permit a backer rod, it is recommended that an alternative bond breaker be used. Prevention of three-point adhesion is necessary through the use of a backer rod or bond breaker tape to ensure proper joint movement & a long lasting weather-proof seal.

METAL

Prepare all metal in a manner to ensure maximum adhesion. Remove all rust, scale and residue, as well as any films, coatings, and oils with an appropriate solvent such as alcohol.

NOTE: It is recommended that Kynar-coated substrates be tested for adhesion prior to starting the project. Please contact a Barrett Technical Representative for specific application guidelines and recommendations.

WOOD

Wood shall be clean, sound and dry prior to any sealant application. Treated wood shall be allowed to weather for six months. Coatings and paint shall be removed or tested for compatibility to ensure a proper bond.

PRIMING

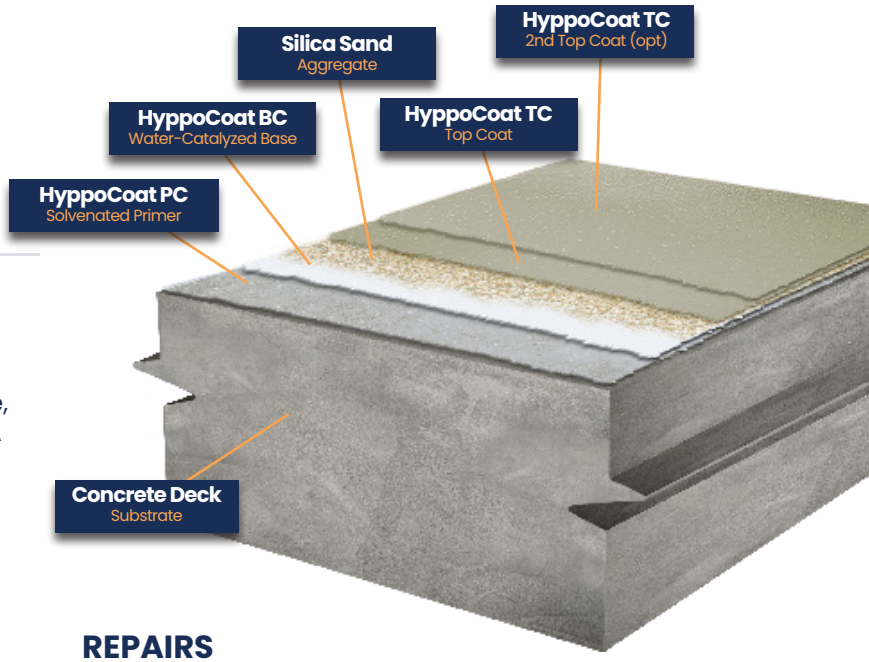
In most instances, Liquid Flash 100 will not require a prime. However, certain applications or substrates, such as Kynar-coated metal, may require a primer to ensure a lasting bond and weatherproof seal. It is the responsibility of the user to determine the need for a primer. It is recommended that a primer be used wherever prolonged immersion is anticipated to ensure best performance.

	PROPERTIES	MEASUREMENT	TEST METHOD
TECHNICAL PROPERTIES	Hardness	30 ± 3 (Shore A)	ASTM D2240
	Odor	Mild Ester Smell	-
	Slump (Sag)	Zero Slump	ASTM C697
	Elongation	300 - 400%	ASTM D412
	Relative Density	1.60 ± 0.1	-
	Viscosity @73°F	>1,000,000 cps	-
	Tack-Free Time	40 - 50 min	ASTM D679
	Service Temp.	-40°F to 200°F	-
	Low Temp. Flex	-10°F (-23.3°C) pas 1/4" Mandrel	-
	Shear Strength	150 ± 15 psi (1.03 ± 0.1 mPa)	ASTM D1002
	Shrinkage (After 14 days)	No Measurable Shrinkage	-
	Thermal Concrete Compatability	Good	-

APPROVALS	**ASTM C-920** — Type S, Grade NS, Class 25 — Use NT, T, M, G, A, O
	Federal Specification TT-S-00230-C — Type II, Class A
	Corps of Engineers CRD-C-541 — Type II, Class A
	Canadian Standards Board — CAN 19, 13-M82

HyppoCoat 250

Water-Catalyzed Polyurethane Trafficable Waterproofing System



DESCRIPTION

HyppoCoat 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. HyppoCoat 250 is a Class A Fire Rated System by Miami-Dade County.

The system utilizes the following components:

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

HyppoCoat 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, HyppoCoat 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.

ASTM INTERNATIONAL
ASTM C-957

MIAMI-DADE COUNTY APPROVED

USDA

REPAIRS

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

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.

	PRODUCT	PACKAGING
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

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HyppoCoat GC

Single Component Elastomeric Modified Urethane Horizontal & Vertical Waterproofing Membrane

HyppoCoat GC

Single Component Fluid Applied Elastomeric Waterproofing Membrane

APPLICATION	Liquid Applied Membrane
INSTALLATION	Single Component
TECHNOLOGY	Elastomeric Modified Urethane

HyppoCoat GC (Green Concrete) is a user-friendly, high solids, bitumen-modified, coal-tar free, single component liquid applied membrane for cured or green concrete. The system uses two coats of a modified urethane coating and protection board to create an elastomeric system designed to expand and contract with normal structural movements.

HyppoCoat GC is easy to use and can be applied immediately after green concrete forms have been removed, providing a very quick return-to-service window during application. It also acts as an aggressive barrier against harsh chemicals, abrasive wear, and heavy impact.

APPLICATIONS

- Green Concrete
- Warehouses
- Masonry
- Storage Areas
- Basements
- Tunnels
- Plaza Decks
- Foundation Walls
- Restrooms
- Parking Decks
- Planters
- Bridges

COVERAGE

215 mils	120 mils	90 mils	60 mils
7.5 *sq ft/gal*	13 *sq ft/gal*	18 *sq ft/gal*	25 *sq ft/gal*

PACKAGING

5 Gal Pail

55 Gal Drum

FEATURES

- Single Component
- Economical
- High Solids
- Quick Return-to-Service
- Low VOCs
- Expands and Contracts
- Easy to Use
- Apply Immediately After Forms Removal
- Labor Saving
- Resistant to Bacterial Growth
- Meets Criteria of ASTM C-836 & E-96

COLOR

- Black

MIXING

HyppoCoat GC should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material.

PREPARATION

All surfaces must be unpainted/unsealed, clean, dry and free from all contaminants which will inhibit the penetration of HyppoCoat GC into pores. Any curing, scaling or coating agents must be chemically or mechanically removed. If acid is used in the cleaning process, neutralize the surface and rinse well.

APPLICATION

HyppoCoat GC can be applied in as little as 24 hours. Apply at a rate of 120 mils in a single lift to speed application without sacrificing performance. It can also be applied in multiple lifts to achieve 215 mil high-build system when maximum protection is required. For specific design requirements, please contact Barrett directly.

JOINTS, CRACKS, & FLASHING

Apply HyppoCoat GC over all primed joints and cracks. Bridge the joints and cracks with 3 inch (7.6 cm) Polyester Tape, pushing it into the sealant with a trowel. Over reinforcement tape, apply a thin coat of HyppoCoat GC and smooth onto adjacent surface.

CURING

At 70°F (21°C) and 50% relative humidity, allow each coat 16 hours to fully cure. If more than 48 hours pass between coats, the surface must be re-primed. HyppoCoat GC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

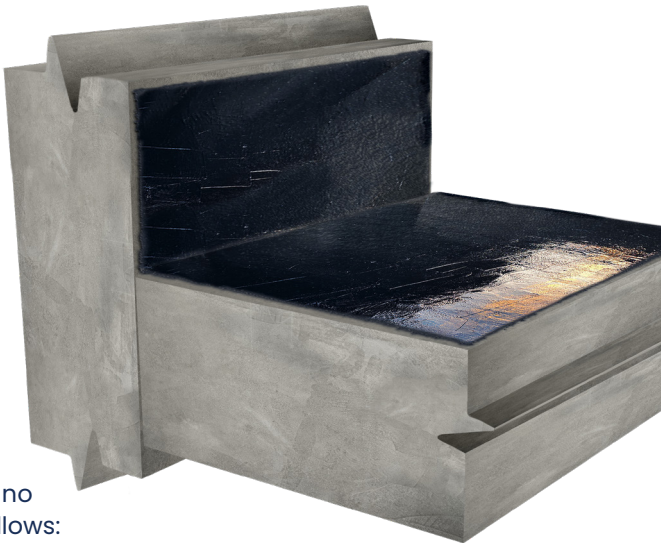
STORAGE

HyppoCoat GC, in its original, factory-sealed container, has a shelf life of one year from the date of manufacture when stored indoors at a temperature between 60 - 90°F.

	PROPERTIES	MEASUREMENT	TEST METHOD
HORIZONTAL TESTING	Hardness	50 ± 5 (Shore A)	ASTM D2240
	Tear Resistance	40 ± 20 pli	ASTM D624
	Tensile Strength	350 ± 50 psi	ASTM D412
	Elongation	300 ± 50%	ASTM D412
	Relative Density	1.32	-
	Solids (Weight)	92 ± 3%	ASTM D2369
	Solids (Volume)	90 ± 3%	ASTM D2697
	Viscosity @80°F	5,000 ± 2,000 cps	-
	Service Temp.	-25°F to 200°F	-
	VOCs	0.83 lb/gal	ASTM D2369-81

	PROPERTIES	MEASUREMENT	TEST METHOD
VERTICAL TESTING	Hardness	45 ± 5 (Shore A)	ASTM D2240
	Tear Resistance	35 ± 10 pli	ASTM D624
	Tensile Strength	350 ± 50 psi	ASTM D412
	Elongation	300 ± 50%	ASTM D412
	Relative Density	1.23	-
	Solids (Weight)	92 ± 3%	ASTM D2369
	Solids (Volume)	90 ± 3%	ASTM D2697
	Viscosity @80°F	40,000 ± 20,000 cps	-
	Service Temp.	-25°F to 200°F	-
	VOCs	0.83 lb/gal	ASTM D2369-81

HyppoCoat GC
Warranty Requirements



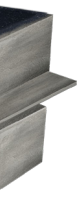
HyppoCoat GC (Green Concrete) is a user-friendly, high solids, bitumen-modified, coal-tar free, single component liquid applied membrane for cured or green concrete. The system uses two coats of a modified urethane coating to create an elastomeric system designed to expand and contract with normal structural movements.

Barrett is proud to offer our **HyppoCoat GC Materials Only Warranty** at no cost. Pricing for our **HyppoCoat GC Labors & Material Warranty** is as follows:

5 YEARS **Unreinforced 60 Mils + Protection Board**

10 YEARS **Unreinforced 60-90 Mils + Drainage Board**

		MEMBRANE COVERAGE	FABRIC REINFORCED	PROTECTION COURSE	DRAINAGE COMPOSITE	ROOT BARRIER	MATERIAL WARRANTY
HYPPOCOAT GC — WARRANTED APPLICATIONS	Backfilled Walls	60 Mils	–	Ram 203	–	–	5 Years
		60 Mils	–	–	RamDrain DD 025	–	10 Years
	Split Slab	60 Mils	–	–	–	–	5 Years
		60 Mils	–	–	–	–	10 Years
	Mud-Set Pavers	60 Mils	–	Ram 200	–	–	5 Years
		60 Mils	–	Ram 200	–	–	10 Years
	Pedestrian Pavers (Sand-Set)	60 Mils	–	Ram 200	–	–	5 Years
		60 Mils	–	Ram 200	–	–	10 Years



HyppoCoat GC
Warranty Requirements

HYPPOCOAT GC — WARRANTED APPLICATIONS

	MEMBRANE COVERAGE	FABRIC REINFORCED	PROTECTION COURSE	DRAINAGE COMPOSITE	ROOT BARRIER	MATERIAL WARRANTY
Vehicular Pavers (Sand-Set)	60 Mils	–	Ram 200	–	–	5 Years
	60 Mils	–	Ram 200	–	–	10 Years
Pedestals & Pavers	60 Mils	–	Ram 200	–	–	5 Years
	60 Mils	–	Ram 200	–	–	10 Years
Planters	60 Mils	✓	Ram 200	RamDrain DD 050	✓	5 Years
	60 Mils	✓	Ram 200	RamDrain DD 050	✓	10 Years
Roof Garden	60 Mils	✓	Ram 200	RamDrain DD 050	✓	5 Years
	60 Mils	✓	Ram 200	RamDrain DD 050	✓	10 Years

- **All WARRANTIES MUST BE APPROVED BY BARRETT ROOFS PRIOR TO APPLICATION**
- **ALL WARRANTY MODIFICATIONS MUST APPROVED BY BARRETT ROOFS PRIOR TO APPLICATION**
- Reinforce all detail areas including inside / outside corners, cracks and penetrations.
- All applications in the water table must be 120 mils reinforced
- Flood test is required for 5 and 10 Ultra warranties
- Barrett Roofs Liquid Flashing and KeeneSeal is the approved / required sealant
- CMU substrates may require a parge coat.

Coatings & Membranes

Calculating Coating Requirements

The coverage obtained from any fluid applied coating is dependent on its nonvolatile (solids) content. One gallon occupies a volume of 231 cubic inches or 0.1337 cubic feet. If a gallon of liquid membrane contained 100% solids and if it could be applied without losses, the coverage obtained from one gallon of such a membrane applied to a film thickness of 1 mil (0.001 inch or 0.0000833 foot) would be roughly 1604 square feet (.1337/.0000833). This figure is expressed as the **theoretical coverage per gallon.**

Theoretical coverage per gallon is expressed as **mils/sq ft.** This means that for a coating of given percent solids by volume, the coverage is the theoretical number of square feet covered by one gallon of fluid applied membrane spread at a thickness of 1 mil dry. For example, if a coating were 45% solids by volume, its theoretical coverage would be 1604 X 0.45 or 722 square feet at 1 mil dry film thickness. If a specification called for a dry film thickness of 2 mils, the theoretical coverage would then be 720 square feet divided by 2 mils, or 361 square feet per gallon. The wet film thickness required would be 2 divided by .45 or 4.4 mils.

When adding thinner to a coating, consider the amount being added and its effect on spreading rate. For example, if a coating has a theoretical coverage rate of 600 mil sq. ft., and 1 pint of thinner per gallon is to be added, then the coverage rate is reduced to 533 mil sq. ft. (600 x 1 / 1.13).

IMPORTANT CONSIDERATIONS

Estimating Losses

To compensate for can losses, windage, overspray and other waste, deduct 10% from the theoretical coverage rate. For heavily pitted structural steel, or for masonry, up to 50% of the theoretical coverage must be deducted from the first coat.

Number of Coats

In maintenance applications, two thin coats are preferable to one heavy coat. In some cases, such as high heat applications, too thick a coating can cause early failure. Always consult Barrett technical resources for specific recommendations.

Catalyzed Coatings

In cases where catalyzed coatings are used, application conditions are critical. Pot life decreases as temperature increases, and cure time increases as temperature decreases. Always consult Barrett technical resources for specific recommendations.

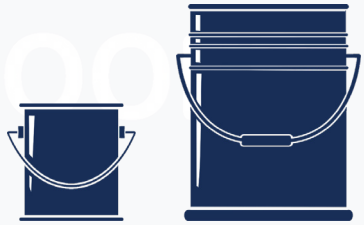
Service Conditions

Service conditions determine which coatings may be used for specific applications. These include temperature, humidity, atmospheric exposure, etc. Always be sure of the anticipated temperature & humidity variations, general weather conditions, and chemical exposure.

Coatings & Membranes

Coverage Calculations Chart

The coverage obtained from any fluid applied coating is dependent on its nonvolatile (solids) content. One gallon occupies a volume of 231 cubic inches or 0.1337 cubic feet. If a gallon of liquid membrane contained 100% solids and if it could be applied without losses, the coverage obtained from one gallon of such a membrane applied to a film thickness of 1 mil (0.001 inch or 0.0000833 foot) would be roughly 1604 square feet (.1337/.0000833). This figure is expressed as the **theoretical coverage per gallon.**



1 Gal	5 Gal
1,604 sq/ft at 1 mil thick	8,020 sq/ft at 1 mil thick

THEORETICAL COVERAGE

	Per US Gallon		Per Liter	
Mils	Sq/Ft	M^2	Sq/Ft	M^2
0.25	6,416	596	1,695	157.5
0.50	3,208	298	847.5	78.8
0.75	2,138.7	198.7	565	52.5
1	1,604	149	423.8	39.4
1.5	1,069.3	99.3	282.5	26.3
2	802	74.5	211.9	19.7
2.5	641.6	59.6	169.5	15.8
3	534.7	49.7	141.3	13.1
3.5	458.3	42.6	121.1	11.3
4	401	37.3	105.9	9.8
4.5	356.4	33.1	94.2	8.8
5	320.8	29.8	84.8	7.9
6	267.3	24.8	70.6	6.6
7	229.1	21.3	60.5	5.6
8	200.5	18.6	53	4.9
9	178.2	16.6	47.1	4.4
10	160.4	14.9	42.4	3.9
12	133.7	12.4	35.3	3.3
15	106.9	9.9	28.2	2.6
16	100.3	9.3	26.5	2.5
20	80.2	7.5	21.2	1.9
30	53.5	4.9	14.1	1.3
40	40.1	3.7	10.6	0.9
50	32.1	2.9	8.5	0.8
100	16.1	1.5	4.3	0.4

CONVERSIONS

8 fl Oz = 1 cup
2 cups = 1 pint
4 quarts = 1 gallon
1 sq/ft = 144 sq/in
1 sq/yd = 1,296 sq/in
1 gallon = 231 in^3
1 ft^3 = 1,728 in^3
1 yd^3 = 46,656 in^3
1 yd^3 = 27 ft^3

Estimating Formula

(1600 sq/ft per gal./Dry Mil Thickness) x Solids Content = Application Rate per Gallon

100% Solids Coating Applied at 10 Dry Mils:

(1600 s.f. per gal./10 dry mils) x 100% solids (or 1) = 160 s.f. per gal.

50% Solids Coating Applied at 10 Dry Mils:

(1600 s.f. per gal./10 dry mils) x 50% solids (or .5) = 80 s.f. per gal.

Literature

Want to learn more about our individual products? All detailed product info, including technical & safety data sheets, installation instructions, architectural details, and more are available for download in the **Resource Library** of 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**

Videos

The success of a roofing & waterproofing system is ultimately relient upon the accuracy of the installation.

To help ensure our applicators have the best resources available to ensure proper installation, Barrett has begun to develop a comprehensive **Video Library** with detailed, step-by-step instructions for each of our various systems.

All videos can be found on the **Videos** page of our website, as well as on our YouTube channel.

Black Pearl® Waterproofing System
— Installation Demo —
Presented by Mike Eglin & Joseph Strickland

Approved Applicators

Quality products deserve quality application. To get the best performance from our roofing and waterproofing systems, the smart choice is to use a **Barrett Approved Applicator.** Applicators that want to be approved by Barrett must be committed to installing our products properly & successfully.

For more information or to apply to become a Barrett Approved Applicator, visit the **Become an Approved Applicator** page in the Resource Library of our website.

Webinars & Presentations

The Barrett Company, in collaboration with Keene Building Products and Dependable Floor Prep, are proud to present the **"College of Knowledge,"** a series of AIA accredited courses taught through free-to-attend live webinars.

Each course offers in-depth analysis and live presentations on current industry information that will benefit architects, engineers, contractors, distributors, & manufacturers alike. For all attendees, there is an open Q&A session with the host immediately following each course.

— Available Courses —

Green Roofs
Presented by
The Barrett Company

Plaza Deck Waterproofing
Presented by
The Barrett Company

Moisture Mitigation in Concrete
Presented by
Dependable Floor Prep

Healthy Walls: Rainscreen & Ventilation
Presented by
Keene Building Products

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