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PRODUCT DATA SHEET

BFT-37100P®

Single Component, Elastomeric, Crack-Bridging, Waterproofing Base Coat

PRODUCT DESCRIPTION

BFT-37100P is a single component, aromatic, moisture cured, elastom eric polyurethane coating intended for use as the waterproofing base coat under polyurethane or epoxy wearing surfaces for pedestrian and vehicular applications, and as the waterproofing base coat with a protective polyurethane top coat under a separate wearing cou rse such as concrete, and tile in a setting bed

Uses

BFT-37100P may only be used by experienced professionals.

- Multi-story parking garages
- Parking decks and ramps
- Foot bridges and walkways
- Mechanical rooms
- Stadiums and arenas
- Plaza and rooftop decks
- Balconies

CHARACTERISTICS/ADVANTAGE

- Excellent crack-bridging properties and flexibility, even at low temperatures
- Resistant to water and deicing salts
- ▪Alkaline resistant

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TECHNICAL INFORMATION & TESTING

PRODUCT INFORMATION

Packaging	5 gal
Shelf Life	12 months in original, unopened containers
	Store dry at 40–95 °F (4–35 °C). Condition material to 65–85 °F (18–30 °C) before using.

Un-cured Property	Value
Solids Content Volume	71 %
Viscosity	6500 ± 3000 cps

Property	Value	Test Method
Shore A Hardness	75 +/- 5 (75 °F (24 °C) and 50 % R.H.)	(ASTM D-2240)
Tensile Strength	800 +/- 100 psi (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Elongation at Break	500 +/- 50 % (75 °F (24 °C) and 50 % R.H.)	(ASTM D-412)
Tear Strength	170 +/- 25 pli (75 °F (24 °C) and 50 % R.H.)	(Die C, ASTM D-624)
Chemical Resistance	Resistant to deicing salts, and alkaline concrete and cementitious mortars/tile adhesives	

APPLICATION INFORMATION

Coverage	50 sf/gal. at 32 wet mils (23 dry mils=0.58mm)
	Coverage rates provided are intended to achieve required wet film thickness under optimal conditions. Additional material may be required depending on substrate surface roughness and porosity, material and substrate temperatures, and other site-dependent factors. This will result in a lower coverage rate.

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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Installation

Surface Preparation

Surface must be clean, dry, and sound with an open texture. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

Concrete - Should be cleaned and prepared to achieve alaitance and contaminant free, open textured surface by blast cleaning or equivalent mechanical means.

Plywood- Should be clean and smooth, APA and exterior grade, not less than 1/2" thick, and spaced and supported according to APA guidelines. Joints should be sealed with sealant and detailed and may need embedded fabric reinforcement.

Metal- Metal must be in sound condition. The surface should be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products and other foreign matter. Be aware of dew point and check it before every application on metal surface.

- **Non-Ferrous Metals**: Prepare to a bright metal surface.Wire brushing can be used for soft metal such as copper or lead.
- **Galvanized Steel**: White rust must be removed from galvanized steel, with care taken not to damage or remove the galvanizing.
- **Stainless Steel**: Must be mechanically abraded orground to create an appropriate anchor profile

Mixing

Thoroughly mix coating using a mechanical mixer (Jiffy) at slow speed until a homogenous mixture and uniform color is obtained (typically 1 minute). Use care not to allow the entrapment of air into the mixture

Application

Apply at the recommended coverage rate (see appropriate System Guide) using a notched squeegee or trowel, and backroll using a phenolic resin core roller. Extend base coat over entire area including previously detailed cracks and joints. Allow coating to cure a minimum of 16 hours at 70 °F and 50 % R.H. or until tack fee before top coating.

LIMITATIONS

- To avoid dew point conditions during application relative humidity must be no more than 95 % and substrate temperature must be at least 5 °F (3 °C) above measured dew point temperature.
- Minimum ambient and substrate temperature during application and curing of material is 40 °F (4 °C);maximum is 95 °F (35 °C).
- Do not store materials outdoors directly exposed to sunlight and moisture. Cover and protect materials with breathable type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Observe temperature storage and conditioning requirements.
- Do not thin with solvents. ▪
- Minimum age of concrete must be 21–28 days, depending on curing and drying conditions.
- Any repairs required to achieve a level surface must be performed prior to application. Surface irregularities may reflect through the cured system.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Do not proceed if rain is imminent within 8–12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and for vapors into the building/structure during product application and cure.
- On grade, lightweight concrete, asphalt pavement, and applications where chained or studded tires may be used should not be coated with Traffic Systems.
- Do not subject to continuous immersion or ponding water.
- 7100 Base is not UV stable and must be top coated or protected by a separate wearing course.
- Primer coat must be kept clean and recoated within