



PPB™ Technical data Sheet

Description

PPB™ Polyurea Broadcast Primer is a 2 part 95%, quick curing hybrid primer designed to be used as a primer / broadcast coat for the following systems.

- Tru-Armour: Vinyl Flake Flooring
- Tru-Quartz: Decorative Quartz Flooring
- Tru- Mica: Mica Flake flooring.

It has excellent adhesion characteristics to many surfaces and performs in a wide range of temperatures.

Packaged in 3 gallon kits

Color Packs are available in Standard colors.

- White
- Black
- Grey
- Tan

ADVANTAGES

- Quick Curing
- 1 coat as primer/ broadcast
- Longer pot life/working time than ordinary polyaspartic coatings
- Easy Mix Ratio- 2:1
- Self-Leveling
- Excellent abrasion/ chemical resistance
- Superior adhesion to many surfaces
- VOC Compliant in all 50 states
- Odor Free
- Color packs can be added to short filled container
- Packaged in plastic buckets
- EZ peel away lids

Areas of Use

- Residential
- Commercial / Industrial
- Garage Floors
- Primer / Broadcast Coat



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Product Data

| | |
|-------------------------|---|
| Ratio | 2:1 |
| Solids | 95% |
| Color | Clear |
| Coverage | 200 SF/gal @ 8mils 250 SF/gal @ 5mils |
| VOC | 75 g/L |
| Application Temperature | 50-85° |
| Pot Life | 35-45 minutes @75° |
| Working Time | 35-45 minutes @75° |
| Cure Times | 2-3 hrs. Dry to Touch 4-6 hrs. Foot Traffic 48 days Full Cure |
| Recoat time | 12hrs maximum |
| Shelf Life | 12 months |

Physical Data

| | | |
|---------------------------|--------------------------------|------------|
| Adhesion | 300 psi (failure of substrate) | ASTM D4541 |
| Abrasive Resistance | 30 (CS17 / 1000 cycles/ 1000 g | ASTM D4060 |
| Compressive Strength | 12,000psi | ASTM D695 |
| Flexural Strength | 4,300psi | ASTM D790 |
| Permeability (%) | 0.2 | ASTM D570 |
| Tensile Strength | 3800 | ASTM D638 |
| Flammability | Self-Extinguishing | |
| Flash Point | >93°F | |
| Elongation | 200 | ASTM D638 |
| Hardness (Shore D) | 75-80 | ASTM D2240 |
| Resistance to Mold Growth | 10/10 highest rating | ASTM D3273 |

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SURFACE PREPARATION

Concrete must be prepared by using one of the following methods.

- Cleaner / degreaser may be needed to remove oils and fats prior to grinding or shot blasting concrete
- Grinding with a coarse grit wheel to remove any light coatings and etch the surface.
- Shot blasting to remove existing coatings and leave a clean profiled surface.
- Acid etching may be used to open the pores of the concrete. Be sure to rinse/neutralize the floor before applying product and allow the floor to dry.

Going over an existing coating.

- Its only suitable to go over a coating when you are grinding a floor with a coarse grit and the coating is wearing down and not removing from the surface.
- When going over an existing coating that is well bonded to the substrate you must prepare the surface with a grinder to scuff the coating and create a profile to the surface.

Going over wood, plastic, metal.

- Surface must be cleaned and etched before product application.

MIXING INSTRUCTIONS

Product should be preconditioned at a minimum of 50°F prior to use. Open lids and mix each component (2 Part A / 1 Part B, Ratio 2:1) with a separate mixer paddle for 2 minutes until thoroughly mixed. When adding a color pigments you must blend the pigments into part A for 2 minutes (1 color pack per gallon of Part A). Add both components into a clean container and blend for 3 minutes with low RPM(300-450rpm) to reduce air entrapment. Scrape the walls of the container to ensure a thorough mix. Mix the product in reasonable quantities that can be applied within the pot life schedule. **(Rubber Gloves Are Recommended)**

APPLICATION

Pour mixed product and spread across the surface using a squeegee and back roll with a shed free roller. When applying a broadcast flooring system, you should gauge the material to your desired mil thickness(6-8MILS) before broadcasting aggregate into the material.

Consult with a TruCrete Representative to discuss the multiple ways to apply the product for multiple flooring systems.



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CLEANING

Clean with a solvent base thinner to remove any residue from tools or any unwanted areas. Cured product may need to be mechanically removed. Clean hands/body with hot soapy water.

RESTRICTIONS

- Surface temperature must be between 55° - 85°F
- Do not apply material when humidity is above 85%
- Humidity content of substrate must be < 4% when product is applied
- Be sure to use an epoxy primer on porous surfaces
- Do not apply material more than 8 mils (may cause bubbles)

Disclaimer: The info herein is general to assist our customers in determining whether TruCrete Surfacing Systems® products are suitable for their specific applications. TruCrete Surfacing Systems® products are intended for sale to trained installers. We recommend that customers inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use TruCrete Surfacing Systems® products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.
