SHERWIN WILLIAMS® | HIGH PERFORMANCE FLOORING

CRYLAFLOR™ BOND TEST GUIDE

Prior to application of all Crylaflor systems, it is recommended that a Crylaflor Bond Test be conducted. The purpose of the bond test is to assure that the preparation is adequate for the primer to bond to the substrate.

The bond of the Crylaflor P-101 to the substrate shall be greater than the tensile strength of the substrate. A successful test shows substrate material and sheared aggregate adhering fully to the sample. If only laitance or a small amount of the substrate is attached, further preparation is required.

This is a very simple procedure that uses Crylaflor P-101 (with or without the Crylaflor Bond), Q-Rok sand or 5900 colored quartz (25-mesh), Crylaflor Cure (BPO), and a hammer and chisel.

The procedure is as follows:

- Pour 6-8 ounces (177-237 mL) of Crylaflor P-101 into a plastic cup.
- Add 1-2 tablespoons (18-36 mL) of Crylaflor Cure (BPO) and mix with a paint stick for 15-30 seconds.
- Add Q-Rok sand or 5900 colored quartz (25-mesh) (1.5 times the volume of resin) and mix well to achieve a very WET slurry.

Note: If this mix is too dry it will not leave enough resin to soak into the substrate. A good indication of a wet mix is that there should be excessive resin on the surface in the cup and a ring of resin surrounding the patty after it is placed on the substrate.

- Place 3"-4" (75-100 mm) diameter by 1/4"-1/2" (6-13 mm) thick patties on the substrate.
- Allow to cure for 1 hour at 68°F (20°C). Verify that the patties are tack free and cooled to the substrate temperature.
- Remove with a hammer and chisel. Examine the bottom of the patty. There should be 1/8"-1/2" (3-13 mm) of concrete and fractured aggregate attached.

Note: If the bottom of the patty is tacky, or has only laitance or fines attached, then further surface preparation is necessary.

CAUTION

Crylaflor resins are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product. Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, an organic vapor respirator should be used. Adequate cross ventilation should be provided and explosion-proof fans may be required. All foodstuffs must be removed during application of the system. **Do not** apply material if the substrate and/or material temperature is above 90°F (32°C). Refer to Product Data Sheets for more information.

Please contact Sherwin-Williams High Performance Flooring Technical Service with any questions.

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