

## **BOND TEST GUIDE**

The purpose of the Bond Test is to assure that the preparation is adequate for the primer to bond to the substrate.

Prior to application of all CRYL-A-FLEX systems, it is recommended that a bond test be conducted. The bond of the CRYL-A-PRIME 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 the CRYL-A-PRIME P-101, with or without the CRYL-A-BOND, Q-Rok or Q-11 sand, CRYL-A-CURE (BPO) and a hammer and chisel.

The procedure is as follows:

Pour 6-8 ounces (170-225 ml) of CRYL-A-PRIME P-101 into a plastic cup. Add 1-2 tablespoons (10-20 ml) of CRYL-A-CURE (BPO) and mix with a paint stick for 15-30 seconds. Add Q-Rok or Q-11 size sand (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 inch (75-100 mm) diameter 1/4 – 1/2 inch (6.4-12.8 mm) thick patties on the substrate.

Allow to cure for 1 hour 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 inch (3-13 mm) of concrete and fractured aggregate attached.

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

### **CAUTION**

**CRYL-A-FLEX 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**

**As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, and the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.**

**In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").**

**To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including, using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.**

**Use only as directed. KEEP OUT OF REACH OF CHILDREN.**

**If substrate and/or material temperature is above 90 F (32 C), Do Not apply material.**

**Detailed application instructions should be obtained, read and understood prior to commencement of application.**

**IMPORTANT!**

*Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet.*

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Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.