



CONCRETE SURFACE PREPARATION & MOISTURE TEST

SURFACE PREPARATION

Surface must be clean and dry, stable, and free from efflorescence, laitance, dust, dirt, oils, surface flaking, poorly bonded or glossy paint, sealers, silicone and other contaminants which may affect adhesion and product performance.

New Concrete:

Should be allowed a minimum of 28 days cure time prior to application.

New Masonry:

Grout should be allowed to cure a minimum of 48 hours prior to application. Etching is required on concrete surfaces to remove laitance and provide a better bond. We recommend using **Liquid Rubber Concrete Etch** or a 1 component, low odor, organic acid salt etching product. These products are formulated to replace extremely corrosive and hazardous concrete etching products such as Muriatic Acid. Follow the directions and if necessary, repeat the process until the concrete has a profile similar to 150 grit sandpaper. Coverage is 15-22 m² / 160-240 ft² per gallon depending on substrate porosity. Usually available in 1-gallon containers. The surface can also be etched mechanically by grinding, shot blasting or sand blasting if chemical etching is not practical.

Moisture Test:

For new concrete or concrete which has been exposed to rain for a long term, a moisture test should be performed to determine if blistering may occur. Using duct tape, tape the edges of a 2' x 2' sheet of 6-mil polyethylene in multiple areas. After 24 hours remove the plastic and observe for moisture on the underside of the plastic and any dark appearance in the concrete. If either is observed, allow the concrete to further dry and repeat the moisture test again. **Note** - Observe when ambient temperature is cool and not hot. This is not always a conclusive test, only an indicator.

DETAIL WORK

Bridge small cracks, joints, and transitions (floor to wall) using the 3-course method of **Liquid Rubber Multi-Purpose Primer - Liquid Rubber 4" Geo-textile - Liquid Rubber Multi-Purpose Primer**. Apply a 6" wide coat of **Liquid Rubber Multi-Purpose Primer** along the areas and while still wet, embed the Geo-textile fabric, fuzzy side down. Smooth out wrinkles and apply a second coat of primer on top, taking care to fully saturate the Geo-textile. Allow to dry before application. Approx. 1-2 hours. For cracks larger than 1/8th inch, prefill with **Liquid Rubber Sealant & Adhesive** caulking, or equivalent product. Be sure to allow all repairs to cure before application of coatings.