

TruGround Conductive Primer

Data Sheet and Application Notes

Description

TruGround Conductive Primer (patented) is a water-based electrically conductive primer. The product was specifically developed to be used with **Detec's** certified Electronic Leak Detection (ELD) systems and equipment. **TruGround** provides an excellent conductive layer below the membrane without compromising membrane adhesion. To provide accurate results for Electronic Leak Detection, **TruGround** should be applied to any properly prepared nonconductive horizontal or vertical surface immediately below the waterproof membrane (i.e. plywood, insulation, cover board, etc.). It is available in 5 gallon (19 Liter) containers or in 1 gallon containers as a special order.

Composition

See MSDS Sheet

Shelf Life and Storage

Shelf life is one year from delivery of the product. The product should be stored at temperatures above 45 degrees. Store product in properly sealed original containers. Do not allow product to freeze. The performance of the product is not guaranteed if it is not properly stored, mixed, or used within one year.

Surface Preparation

1. **Surface should be clean and dry.** Heavy dirt, grease, or other contaminants need to be removed using proper cleaning methods.
2. During hot temperatures, surfaces can be extremely hot. Special attention is needed. Apply product in small areas to test performance.
3. For previously coated surfaces, certain plastics (i.e. PVC) or glossy surface finishes, contact your Detec sales representative.

Coverage

TruGround will cover approximately 350 square feet (32.5 square meters) per gallon using a recommended 3/8" nap roller on a smooth surface. Any coloration of the substrate visible through the primer indicates a shortage of primer and must have more primer applied. Porous substrates such as plywood may require two coats of primer to ensure proper coverage.

Application

Mixing

1. Always mix **TruGround** thoroughly before use. Turning the pails upside-down before opening for five minutes is recommended. Use a power drill and paint mixing attachment to mix any solids that may have settled.

Roller Application

1. Using the recommended 3/8" nap roller and extension pole, dip the roller in **TruGround** and remove excess **TruGround** using roller tray or paint bucket cage.
2. Coat the surface making sure to have adequate overlap of strokes for complete coverage.

Spray Application

1. Apply TruGround with a steady pattern with 3 inch (76mm) overlaps.

Continuity Bonding

Continuity bonding is required between previously coated sheets and between horizontal to vertical transitions to maintain electrical continuity. If the sheets are pre-coated, please contact Detec.

Connecting TruGround to Access Point

Provide an access point for connecting electronic test equipment to the **TruGround**.

1. The primer must have at least two connection points with at least two connection points with metallic penetrations such as drains, HVAC units and vents. Apply the primer to the side of metallic penetrations while applying the primer to the main portions of the substrate.
2. If no metallic penetrations are located within the area where **TruGround** is being installed, then a grounding object must be installed. Any metallic object can be fastened to the structural deck and connected to the primer by coating the side of the object with the primer. Flash grounding object with roofing membrane is the same per requirements of the manufacturer.

Cleanup

Rollers, brushes and spray equipment can be cleaned using soap and water. Clean any spills using water and rags. Seal the **TruGround** container immediately after each use and store properly.

Drying Time

Drying time depends greatly on the temperature and relative humidity (RH). In cool and humid weather, **TruGround** will take longer to dry. Before applying any product over **TruGround**, it must be completely dry. To test, brush your finger across the **TruGround** surface. There should be no product present on your finger. Drying time can be accelerated with the use of a backpack blower or with heat (i.e. propane torch).

Electrical Properties

Surface Resistivity: 10E4 ohms/sq