Detec TruGround® Conductive Primer

(for use with Electronic Leak Detection)



Overview

Detec TruGround Conductive Primer is a water-based, liquid-applied, electrically conductive primer that allows for effective quality control electronic leak detection (ELD) testing of conventional roof assemblies. Detec TruGround is brush- or roller-applied in a single-sided application to any properly prepared, non-conductive horizontal or vertical surface such as plywood, insulation, or gypsum cover boards prior to membrane installation. TruGround is compatible with high- and low-voltage ELD testing methods listed in ASTM Standard Guide D7877 and complies with ASTM Standard Practice D8231. TruGround is UL Listed and FM Approved in several Carlisle roofing assemblies.

For the complete list of FM approved and/or warranted Carlisle roof assemblies that include TruGround, refer to Carlisle's "Detec Electronic Leak Detection Sell Sheet" and/or the "Electronic Leak Detection Spec Supplement" available on the website.

Features and Benefits

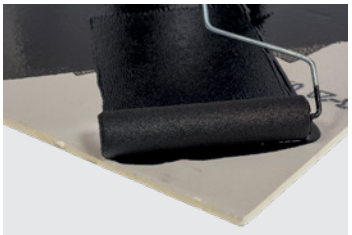
- Used in conjunction with quality control ELD testing for conventional roofing assemblies
- Compatible with all single-ply membranes, including bareback membranes and black EPDM
- Suitable for fully adhered assemblies that have been tested and approved, as well as mechanically fastened and ballasted systems
- UL Listed and FM Approved in over 10,000 FM rated assemblies
- Quick drying – typically under 30 minutes
- Non-reflective, flat black color
- Low-VOC
- Non-flammable and solvent free
- Made in the USA

Pre-Installation Precautions

1. TruGround contains carbon black which can be messy and easily tracked onto new and clean roof membrane. When installing TPO and PVC membranes, Carlisle recommends the use of APEEL™ protective film to minimize clean up time. At a minimum, Carlisle recommends the use of boot covers to prevent tracking TruGround to unwanted areas.
2. TruGround must be applied when ambient temperatures are 40°F (4.4°C) and rising.

Application

1. Before removing the lid, flip pail upside down and allow it to sit on its lid for 5 minutes. This allows the solid particles that have settled at the bottom of the pail to loosen up, which will improve mixing.
2. After 5 minutes, turn the pail right-side up and remove the lid.
3. Thoroughly mix each pail with a paddle mixer until the color and viscosity are consistent.
4. If gaps between substrate boards exceed 1/8", start by liberally applying TruGround to the substrate T-joints using a paint brush. As an alternative, and for those projects with larger gaps between substrate boards, seam tape can be applied to the T-joints. Then, when applying TruGround to the substrate boards (see step 5) ensure that it is also applied over the seam tape connecting the boards. This step ensures electrical continuity across the system.



5. Apply a thin coat of TruGround over the entire project area using a 3/8" nap roller. If the surface is black, TruGround has been applied at the acceptable thickness.
6. Continue TruGround up and onto all metal/grounded penetrations from the field of the roof. These metal penetrations will be used to connect the testing apparatus when the membrane is tested.

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7. Allow TruGround to completely dry before membrane installation (typically around 30 minutes). Expect longer dry times when temperatures are cooler.
8. Once TruGround has dried completely, the roof membrane can be installed following standard procedures. TruGround does not take the place of the required membrane adhesive.

Note: Prior to membrane installation, it is recommended to test for continuity between substrate boards using a continuity tester (available from Detec).

Review Carlisle specifications and details for complete application information, including mechanically fastened options.

Precautions

- TruGround Primer is water-based and susceptible to freezing. Therefore, it must be stored above 32°F (0°C).
- Porous substrates such as wood and lightweight concrete will reduce the coverage rate of TruGround, and will require two coats to achieve proper coverage.
- When using Detec TruGround Conductive Primer in an induction welded membrane assembly, plates should be installed after TruGround has been applied to the substrate and completely dried.

Packaging & Coverage Rate Information

- TruGround comes packaged in 5-gallon (18.92-liter) pails
- Each 5-gallon pail will cover approximately 1,250 ft^2 (116 m^2)
- Each pail weighs approximately 48 pounds
- Each pallet contains 27 pails of TruGround primer

Green Building Information

Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%
Solar Reflectance Index (SRI)	N/A
Global Warming Potential (GWP)	Currently Unavailable
Volatile Organic Compounds (VOC) Content	89.5 g/L
Manufacturing Location(s)	Portland, OR
Corporate Sustainability Report (CSR) Availability	Yes
Environmental Product Declaration (EPD) Availability	No

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