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TruGround® Conductive Primer by Detec Systems



Description:

TruGround® Conductive Primer provides conductivity below roofing membranes to aid the electronic leak detection (ELD) low-voltage and high-voltage testing equipment used to locate pinholes and other small imperfections. TruGround® is typically roller applied in a single-side application in addition to required adhesives and primers, which should be applied after TruGround® has been applied and is dry*. Areas coated in TruGround® must be roofed the same day.

TruGround® provides the required conductivity directly below the membrane without compromising membrane adhesion. To promote ELD accuracy, TruGround® must be applied to any properly prepared horizontal or vertical surface immediately below the waterproof membrane (i.e., plywood, insulation, cover board, etc.).

Storage and Handling:

Store product in properly sealed original containers above 45° F (7.2° C). Do not allow product to freeze. Freezing of the TruGround® will cause the bucket to break open. Use within 6 months after opening. Any TruGround® that cannot be mixed to a consistent liquid must be discarded.

Coverage:

TruGround® will cover approximately 1,250 sq. ft. per 5-gallon pail using a recommended 3/8" nap roller on a smooth surface. Any coloration of the substrate visible through the TruGround® indicates insufficient coverage, therefore additional TruGround® must be applied. Substrates such as plywood, lightweight insulating concrete, and open cell insulation require two coats to ensure proper coverage.

Features and Benefits:

- Provides the required conductivity directly below the membrane per ASTM Guide D 7877-14 and ASTM Practice D 8231-19 for valid ELD testing on conventional roof assemblies
- Compatible with high-voltage and low-voltage ELD
- Easy-to-apply and quick-drying*
- Can be applied to transitions, penetrations, and details where other conductive mediums cannot be used
- Non-reflective flat black color assists proper coverage
- Low-VOC, low-odor, non-flammable, and formulated without the use of solvents
- Chemically compatible with most substrates and adhesives†
- Ideal for roofing systems over critical spaces, areas exposed to heavy foot traffic and other trades, or those that will have overburden

* Dry time is typically 30 minutes but may vary dependent on the ambient temperature and relative humidity at installation. TruGround® must be completely dry to the touch before installation of the adhesives, primers, and membranes.

† For complete substrate preparation and application instructions for GAF guarantee-eligible systems, please consult the TruGround® manual available at gaf.com.

NOTE: GAF warranties and guarantees **DO NOT COVER** the electrical conductivity of the TruGround® or its performance as part of an electronic leak detection system. Refer to gaf.com for more information on warranty and guarantee coverage and restrictions.

Contact Detec Systems for limited warranty information at detecsystems.com

Specifications	TruGround® Primer
Packaging	5 gallon (18.93 L) pail
VOC	<100 g/L
Color	Non-reflective Flat Black
Surface resistivity	10E4 ohms/sq.
Weight per pail	48 lb. (21.7 kg)
Pallet quantity	27 pails/per pallet
Weight per gallon	8.2 lb. (3.72 kg)
Solids by volume	23.2%
Solids by weight	13%
Pre-consumer recycled content	0%
Post-consumer recycled content	0%
Shelf life	12 months from date of manufacture if unopened and properly stored



Visit gaf.com

For additional information, contact GAF at **877-423-7663** or designservices@gaf.com.

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Application:

The use of boot covers are **highly recommended** to prevent tracking of TruGround® on to new and clean membrane surfaces.

- The product should be applied at temperatures above 45° F (7.2° C).

Mixing — TruGround® **must** be thoroughly mixed before use. Turning the pails upside-down before opening for five (5) minutes is recommended. Use a power drill and paint mixing attachment to mix any solids that may have settled. Mix until the color and viscosity are consistent.

Roller Application — Apply a thin coat using the recommended $\frac{3}{8}$ " nap roller and extension pole. Dip the roller in TruGround® and remove excess TruGround® using a roller tray or paint bucket cage. Coat the surface, making sure to have adequate overlap of strokes for complete coverage.

Spray Application — Apply TruGround® with a steady pattern with 3 in. (76 mm) overlaps. The filter may need to be removed.

Continuity Bonding — If the joints between sheets are larger than $\frac{1}{8}$ ", apply the TruGround® with a paint brush to the T-joints to ensure continuity from board to board. 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®.

- Apply the TruGround® to the side of **all** metallic penetrations including all drains, HVAC units, and vents while applying the primer to the main portions of the substrate. All penetrations coated in TruGround® can then be used for ELD testing.
- 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. All metallic and conductive penetrations need to be waterproofed and flashed with membrane in accordance with the membrane manufacturer's requirements.

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

For full application information, please refer to the instructions supplied with the [product](#) or go to [gaf.com](#).

Codes and Compliance:

- UL Classified¹



- FM Approved²



¹ Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies.

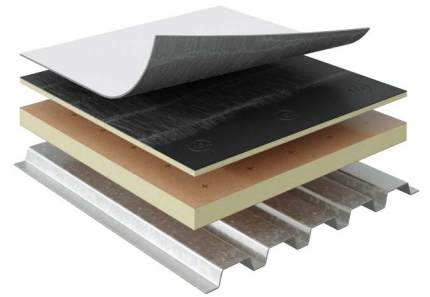
² FM Approved per Approval Standard 4470. Refer to RoofNav.com for specific assemblies.

Manufactured by:



Portland, OR

TruGround® is a registered trademark of Detec Systems.



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