



Roof Mate™ Base Coat

Technical Data Sheet



PRODUCT DESCRIPTION

United Coatings™ Roof Mate™ Base Coat is a water-based, acrylic elastomeric base coat that is part of the Roof Mate™ Coating System. Roof Mate™ Base Coat utilizes the latest advances in acrylic technology to improve adhesion of United Coatings™ Roof Mate™ Top Coat and to provide bleed blocking on asphalt roofs. It also builds film thickness necessary to protect the roof.

PACKAGING & SHELF LIFE

- 1-gallon (3.8 liter) can
- 5-gallon (18.9 liter) pail
- 55-gallon (208 liter) drum

Shelf Life: 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 50°F – 90°F (10°C – 32°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. Do not allow coating to freeze.

BASIC USES & ADVANTAGES

United Coatings™ Roof Mate™ Base Coat is designed to be used with United Coatings™ Roof Mate™ Top Coat and various primers on existing metal, concrete, TPO, PVC, and most asphaltic membrane roofs.

New metal and concrete roofs should be weathered for at least 30 days. New asphaltic, TPO, and PVC roofs should be weathered for at least 90 days.

Note: For use on EPDM or smooth APP membranes, see gaf.com for more details. Do **NOT** use on gravel-surfaced roofs or shingle roofs.

Advantages:

- Distinguishable color from United Coatings™ Roof Mate™ Top Coat for spotting substrate not yet covered
- Helps build mil thickness

PHYSICAL PROPERTIES

UNITED COATINGS™ ROOF MATE™ BASE COAT	
Solids by Weight	67% (±2) [ASTM D2369]
Solids by Volume	51% (±2) [ASTM D2697]
VOC	<50 g/L
Tensile Strength	158 psi (±20) (1.1 MPa) [ASTM D2370/D6083]
Elongation	176% (±20) [ASTM D2370/D6083]
Hardness	80 Shore A [ASTM D2240]

Permeance	35 US perms at 220dry mils [ASTM D1653]
Application Temperature (Air)	50°F (10°C) and rising
Application Temperature (Surface)	50°F – 110°F (10°C – 43°C)
Dry Time to Walk On	4 hours at 70°F (21°C), 50% R.H. at 16 wet mils <small>*Required times will increase at higher humidities</small>
Colors	Gray

APPLICATION INSTRUCTIONS

Substrate Preparation: Roof must have positive drainage with no moisture trapped in the roof assemblies. Roof substrate must be clean, completely dry, and free from any foreign matter. Pressure-wash to remove all dust and debris, and allow to dry. Examine substrate to receive new roofing and conduct test patches to verify adhesion of coating prior to start of work. Check for any damaged roof membranes, including all flashings and penetrations, and repair before coating application commences. Priming of substrate will be required — see gaf.com for more information.

Mixing: United Coatings™ Roof Mate™ Base Coat is a ready-to-use material; however, some settling of material may have occurred during shipment and storage. Mix prior to use with a 3/4 horsepower or larger mixer with a blade capable of uniformly mixing the entire container. For 5-gallon (18.9 liter) pails, use 3" (76 mm) minimum diameter mixing blades. For 55-gallon (208 liter) drums, use 6" (152 mm) minimum diameter mixing blades.

Application: United Coatings™ Roof Mate™ Base Coat may be applied by brush, roller, or airless sprayer. Apply evenly at a rate of 1.0 – 1.5 gallons/100 ft² (4.1 – 6.1 L/10 m²) per coat. Additional coats may be applied as soon as the previous coat is dry enough to walk on and should be applied perpendicular to the previous coat to ensure proper coverage. Total coverage should be

between 1.0 – 1.5 gallons/100 ft² (4.1 – 6.1 L/10 m²) and is dependent on the substrate. Smooth substrates may require less coating, while rough or porous substrates may require more coating.

Spray Application: Apply product with an airless sprayer, covering the surface at an even rate. Use an airless spray pump with a 1 gallon-per-minute (3.8 L/minute) output and 2,000 psi (13,790 kPa) pressure capability. Use a reversible, self-cleaning tip with orifice size 0.027" – 0.039" (0.69 – 0.99 mm) and a fan angle of 40° to 50°. Filter screens should be 30 mesh or larger. For lengths up to 75 ft. (23 m) from pump, use a 3/8" (9.5 mm) minimum inside diameter, nylon high pressure-type hose. For lengths of 75 ft. – 200 ft. (23 – 61 m) from pump, use 1/2" (12.7 mm) inside diameter hose added to pump side of existing 3/8" (9.5 mm) hose to maintain pressure and delivery. For lengths over 200 ft. (61 m) from pump, use 5/8" to 3/4" (16 to 19 mm) inside diameter hose added to pump side of existing hose.

Application Note: Requires complete evaporation of water to cure. Cool temperatures and high humidity may slow cure.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

GAF Liquid-Applied

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APPROVALS

UL 790 Class A	UL Listed
Factory Mutual	FM Approved



LIMITATIONS & PRECAUTIONS

IMPORTANT: Repair leaks promptly to avoid adverse effects, including mold growth.

- Do **NOT** apply on wet substrates.
- Do **NOT** heat container.
- Do **NOT** attempt to thin product.
- Do **NOT** apply if rain, dew, fog, heavy moisture condensation, or freezing temperatures are in the 24-hour forecast.

SAFETY & HANDLING

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

CLEAN-UP

Use water and soap to thoroughly flush equipment. If coating has hardened, clean with solvent. Purge the water from the system using solvents.

GAF

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See applicable warranties and guarantees for complete coverage and restrictions.