

TERRA ROOF COATING SYSTEM FOR ROOF PRESERVATION, MAINTENANCE AND RESTORATION

Terra Roof coatings is based on a cutting-edge technology developed at the University of Texas at Austin. This new technology utilizes water-based polymer technology that is low no volatile organic compounds (VOC's). These high-performance polymer roof coatings cure to form a strong elastic barrier over existing smooth surface.

Storage:

Store materials in a dry area between 40°F (5°C) and 100°F (38°C) with careful handling to prevent damage to products. Do not store at high temperatures or in direct sunlight. Keep lids tightly closed when not in use. Protect all materials from freezing and other damage during transit, handling, storage, and installation.

Application:

Determine the condition of the roof system. Remove and Replace any deteriorated decking, deteriorated materials, or wet decking/materials. Conduct moisture survey and remove/replace all wet areas.

Repair membrane including seams, penetrations, flashings, curbs, and terminations with like materials.

Spring scale peel adhesion tests are required when the substrate is unknown and recommended on previously coated roofs.

Survey the roof to determine areas where water ponds for 72 hours or more and employ methods to eliminate such ponded water conditions. Take necessary measures to protect unrelated work and other adjacent surfaces from overspray and spillage.

Verify that all drain lines are connected and in good working order before starting work.

All new and temporary construction, including equipment, material and accessories, shall be secured in such a manner, at all times, as to preclude wind blow-off or damage.

Remove all foreign debris by sweeping or power blower and make sure to remove any contaminants or particulates that would interfere with the proper adhesion of the roof coating system. At all times, strict caution should be exercised to ensure that a roof is not damaged during sealant operations, or that the adhesive capability of Terra Roof is not negatively affected.

Repair roof membrane, seams and flashings according to original manufacturer's written specifications and instructions.

Follow all safety regulations as required by OSHA and any other applicable authority having jurisdiction. Take precautions to avoid overloading the roof or building structure.

Spray, roller, or brush apply Terra Roof thoroughly in three coats a total of 0.15GSQ residual rate. Protect the installed roof coating system and coordinate with other trades and building occupants to avoid construction traffic or equipment storage on newly installed roof coating system.

Provide all necessary temporary protection and barriers to segregate the work area and to prevent damage. The minimum recommendations for Terra Roof coating usage are for ideal conditions. The number of square feet per gallon may need to increase due to uneven application, rough surface texture, wind conditions while spraying and/or other variables.

Polymer. Terra Roof polymer materials must be prequalified materials with no volatile organic compounds meeting the requirements of Table 1.

Table 1
Polymer Material Properties ¹

Property	Procedure	Min	Max
Viscosity, 77°F, Krebs unit	D 562	30	600
Sieve test, %	T 59	-	0.1
Storage stability, 1 day, %	T 59	-	1
Sand penetration test, mm	penetration	10	-
Residue by evaporation, %	T 59	25	-

¹ For materials diluted either by the manufacturer or at the jobsite, the final diluted material must meet these requirements. Materials that are prequalified under this specification will still be subject to a regular approval process.

DISCLAIMER

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