

# Terra Pave International, Inc.

University of Texas Pickle Research Building, Austin, Texas 78759 USA

[www.terrapavetech.com](http://www.terrapavetech.com) [info@terrapavetech.com](mailto:info@terrapavetech.com)

## **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. The patent for Terra Roof is owned by the University of Texas System. This new technology utilizes water-based polymer technology that has no volatile organic compounds (VOC's). These high-performance polymer roof coatings cure to form a strong elastic barrier over existing smooth surfaces. Winner top #1 eco-friendly product in the USA in the category of Agriculture and Environmental by the CADE Foundation in 2023.

### **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 a 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, to preclude wind blow-off or damage.

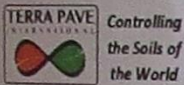
Remove all foreign debris by sweeping or power blower and make sure to remove any contaminants or particulates that would interfere with the proper adhesion of the roof coating system. At all times, strict caution should be exercised to ensure that a roof is not damaged during sealant operations, or 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 and apply Terra Roof thoroughly in two coats with a total of 0.44GSQ (1SQ = 100 sqft, a roofing square is equivalent to 100 square feet of the roof) residual rate. A 5-gallon (five-gallon) pale should cover a 1000 sqft roof or 10.00SQ. Make sure to dilute the concentrated 1 part of Terra Roof to 5 parts of tap water before application (5-gallon pale should then be diluted with 5 x 5 = 25 gallons of tap water with a total of 30 gallons of spray material) Protect the installed roof coating system and coordinate with other trades and building occupants to avoid construction traffic or equipment storage on the 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 at 0.25GSQ coating usage are for ideal conditions. The number of square feet per gallon may need to increase to 0.44GSQ or 1000 sqft roof or 10SQ due to uneven application, rough surface texture, wind conditions while spraying, and/or other variables. For example: 1000 sqft = 10SQ need ~ 5 gallons of Terra Roof.



# Terra Roof

**FIRST AID MEASURES:**

**Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if necessary. Call a physician.  
**Eye Contact:** Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention.  
**Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. If irritation persists or contact has been prolonged, obtain medical attention.  
**Swallowing:** No harmful effects expected.  
**Notes to Physician:** Toxicology studies have shown similar material of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**ACCIDENTAL RELEASE MEASURES:**

**Steps if Material Released or Spilled:** Small spills can be flushed with large amounts of water, larger spills should be collected for disposal. Do not allow spilled material to enter storm drains, sewers or waterways.  
**Personal Precautions:** Wear suitable protective equipment.

**HANDLING AND STORAGE:**

**General Handling:** Avoid breathing vapor from container opening. Avoid contact with skin and clothing. Keep container closed. Use adequate (mechanical) ventilation. Wash thoroughly after handling. **Ventilation.** General room ventilation is expected to be satisfactory for use at room temperature.  
**Storage:** Store above 4 °C (40 °F). Do not freeze. Mix thoroughly before use.

<b>HEALTH</b>	1
<b>FLAMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	0
RATINGS: 4-EXTREME, 3-HIGH, 2-MODERATE, 1-SLIGHT.	
<b>MANUFACTURER/EXPORTER/OTHER</b> Terra Pave International, Inc. PO Box 203904, Austin, TX 78720 USA	
<b>TRANSPORTATION INFORMATION:</b> U.S. DOT: Non-Bulk Proper Shipping Name Is Not Regulated. Bulk Proper Shipping Name Is Not Regulated. <b>NMFC NUMBER:</b> 47230-Class 55. <b>International Harmonization Code:</b> 3905	



**BLEND NO: 140208-01 BATCH NO: DL27051861**  
**RECYCLABLE CONTAINER 24 HOUR CHEMICAL EMERGENCY: 1-800-424-9300**  
 For more information and instructions, contact Terra Pave International, Inc 254-368-6150 USA



**Sprayer:**

Any type of sprayer can be used for the application of Terra Roof. From manual pump sprayers to electrically powered sprayers can be used for the application of Terra Roof.

**Polymer:**

Terra Roof polymer materials must be prequalified materials with no volatile organic compounds meeting the requirements of Table 1. Only dilute Terra Roof with tap water to meet this requirement.

**Table 1  
Polymer Material Properties <sup>1</sup>**

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	-

<sup>1</sup> For materials diluted either by the manufacturer or at the job site, 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

The information contained in this document, including but not limited to any recommendations regarding the use and application of Terra Pave products, is given in good faith based on TPI's current experience and knowledge of its products when properly stored, handled, and applied under normal conditions by TPI's instructions. The information contained in this document is valid only for the applications and uses of TPI products described herein. Terra Pave International states that the information contained herein (including data and statements) is accurate as of the date hereof. No warranty for any particular purpose, warranty of merchantability, or any other warranty expressed or implied is made concerning the information provided herein. It disclaims any liability as to any results obtained or arising from any use of the product or reliance on such information. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Procurement of liability or injury insurance is the responsibility of the Roof Seal representative. TPI assumes no liability of any kind for improper roofing applications.

# TERRA PAVE

