

# SOLATEK

## URETHANE #3182 SINGLE COMPONENT URETHANE COATING Technical Data

### PRODUCT DESCRIPTION

SOLATEK URETHANE #3182 is a versatile, multi-purpose aromatic single-component, moisture-cure, liquid polyurea-urethane coating designed for use as a top coat, base coat or for repair work on a variety of mature roof systems: spray polyurethane foam, single-ply, metal, built up roofs, modified bitumen, and concrete

### FEATURES and BENEFITS

SOLATEK URETHANE #3182 provides a host of advantages. It is quick, easy to apply, and saves on labor cost. As a maintenance coating, it can be used to coat an entire roof system, to make spot repairs, or to provide additional protection when integrated with a reinforcement fabric. SOLATEK URETHANE #3182 provides exceptional resistance to chemicals, acids, oils, and other pollutants, all of which can affect and reduce the life of a roof system. SOLATEK URETHANE #3182 is a remarkably durable, high performance urethane coating that will protect and reduce the surface temperature of a roof, helping to reduce internal temperatures of buildings and alleviate stress on HVAC systems. SOLATEK URETHANE #3182 provides a cost-effective, cost-saving, eco-friendly approach of extending the life of an existing roof system.

### TYPICAL USES

SOLATEK URETHANE #3182 can be applied to aged or cured single-ply, metal, spray polyurethane foam, built-up roofs, modified bitumen and concrete roof systems either as part of a complete cool roof restoration system or as part of a maintenance or repair program. All SOLATEK products are to be used and applied with reference to and in conjunction with TRESKO's Guidelines and Specifications.

### DIRECTIONS FOR USE

**MIXING:** Review all technical data sheets, system sheets, labels, instructions, MSDS, and Guide Specifications before mixing and applying. Mix 55 gallon (208.2 liter) drums and 5 gallon (18.93 liter) pails with a variable speed drill utilizing a jiffy mixer to suspend any settled pigments until a uniform color and consistency is achieved. Mixing time will vary based on temperature and atmospheric conditions.

### APPLICATION

Prior to coating any surface, be sure the coating will adhere by performing an adhesion test (ASTM D-903). Coating may be applied by brush, roller, or airless spray equipment. Do not apply when temperatures are below 40°F (4.4°C) or when precipitation is in forecast within 48 hours. In areas where the roof is subject to foot traffic, it is recommended to apply walkway pads for added protection and slip resistance.

### TYPICAL PROPERTIES

1. Solids by Weight:	85%
2. Solids by Volume:	81%
3. Solar Reflectance:	79%
4. Thermal Emittance:	90
5. Tensile Strength:	1550psi [ASTM D412]
6. Elongation:	400% [ASTM D412]
7. Permeability:	2.0 US perms
8. Weathering QUV:	No Degradation
9. Tear strength:	45lbs/in
10. Dry Time 75°F,50%RH:>3 hours	
11. Viscosity:	5,000-7,000 cps

### WARRANTY

SOLATEK URETHANE #3182 warranties are available for five (5), ten (10), fifteen (15) and twenty (20) year periods and are renewable for the life of the building. Refer to individual warranty documents for additional information.

### LIMITATIONS

Do not proceed with application of coating materials when surface temperature is less than 40°F. No coating shall be applied if weather will not permit it to dry prior to exposure to precipitation or freezing.

### STORAGE and HANDLING

Keep containers closed and store in a dry, cool place away from heat, sparks, open flame, excessive heat, and moisture. Keep material stored above 65°F (18°C). Open containers should be blanketed with dry nitrogen before resealing. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other ignition sources at locations distant from the material-handling point. Never use a welding or cutting torch on or near the drum. In case of fire, use CO<sub>2</sub>, steam, dry chemicals or water fog.



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