

# GreenThane 7490

## Aliphatic Urethane Roof Topcoat



**GSP DOCUMENT NO.:** TDS 2017021

**TECHNICAL DATA SHEET**

### PRODUCT DESCRIPTION

7490 is a single-component, aliphatic polyurethane coating designed for use as a weather-protective topcoat for polyurethane foam, concrete, metal, single-ply and built-up/modified bitumen roof systems.

### SYSTEM DESIGN

This product is a topcoat component of Green Shield Products, LLC roof coating systems covered more thoroughly in Green Shield Products, LLC Guide Specifications and System Summaries.

### USES

- Polyurethane foam roofs
- Structural concrete roof decks and canopies
- Existing metal roofs
- Existing single ply roofs

### LIMITATIONS

- Use with adequate ventilation
- Not intended for use as a base coat
- Not intended for ponding water or constant immersion
- Substrate temperature must be above 40°F (5°C) and/or below 100°F (37°C), and more than 5°F (3°C) above the dewpoint and rising
- Substrate must be clean, dry, sound and secure
- Product is moisture-sensitive
- Concrete must have a full 28 day cure period prior to coating
- Not compatible with asphaltic compounds
- Not for use with insulating concrete such as Zonolite, Vermiculite, Perlite, etc.

### PRODUCT COLORS AND PACKAGING

Standard Color:	7490-01-005	White
Packaging:	7490-01-005	5 gallon

### APPLICATION INSTRUCTIONS

Green Shield Products, LLC are to be installed in accordance with instructions in the Green Shield Products, LLC Coating Systems Application Manual.

### MIXING AND THINNING

Read product labels and application instructions prior to use. Product must be mixed. Product must be mixed. Read container labels, SDS and application instructions prior to mixing. Mix polyurethane material with a variable speed drill utilizing a Jiffy Mixer to suspend any settled pigment and attain a uniform color. Time will vary depending on temperature conditions.

This product has been formulated to be applied without the need of thinning. However, application under certain conditions and with certain equipment may be enhanced by thinning. Please note that thinning will increase VOC content of the mixed coating. Always know local VOC restrictions for coating applications in your area before thinning this product. Do not thin material more than 5%. See compatible thinners and additional mixing instructions in the Green Shield Products, LLC Application Manual.

**Green Shield Products, LLC**

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TECHNICAL DATA SHEET

## CURED PROPERTIES

Description	Test Method	Results
Tensile Strength	ASTM D412	1,923 psi
Elongation	ASTM D412	318%
Permanent Set	ASTM D412	<15%
Tear Resistance	ASTM D1004	400 pli
Water Resistance	ASTM D471	2.2% @ 7 days
Taber Abrasion	ASTM D4060	20 mg/1,000 rev cs17
Shore A	ASTM D2240	92
Adhesion (to 70630)	ASTM D4541	10.7 pli
Fire Resistance	ASTM E108, UL 790	System Rated Class A

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

## PRODUCT DATA

Description	Test Method	Results
Weight/Gallon	ASTM D1475	11.4 lbs/gal
Weight Solids	ASTM D4209	82%
Volume Solids	Calculated	74%
VOC	EPA Method 24	247 g/L

Description	Test Method	Results
Flash Point	ASTM D3278	85°F
Pot Life		6–8 hours
Shelf Life		1 year

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

## ADDITIVES

Product No.	Description	Use
7931	Fast Accelerator	Standard cure accelerator for 7490-01 aliphatic urethane
7986	Odor Mask	Masks offensive odors; vanilla-scented
7987	Odor Mask	Masks offensive odors; orange-scented

## STORAGE AND HANDLING

Containers of urethane coating should be stored in a cool (75°F, 24°C) area to ensure full shelf life. Keep container closed. Keep away from sources of ignition. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

## CLEAN UP

Clean tools and equipment with aromatic solvents such as Xylene, Toluene or MEK.

## HEALTH AND SAFETY

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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