

NEOGARD®

7441 ELASTOMERIC POLYURETHANE COATING

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

7441 is a single component (plus accelerator) moisture-cured, aromatic, fire retardant, polyurethane coating designed for use as a weather protective topcoat over various base coat materials to protect direct bond and polyurethane foam roofing systems.

PRODUCT NUMBERS AND COLORS

Standard colors are:

7441 - Gray 7443 - White
7442 - Tan

CURED FILM PERFORMANCE

<u>Description</u>	<u>Test Method</u>	<u>Results</u>
Tensile Strength, min. PSI	ASTM D412	2500 PSI
Elongation at break, % at 75°F (23.9°C)	ASTM D412	450%
Permanent Set at break % Minimum	ASTM D412	25%
Adhesion to Substrate Greater than Cohesive Strength of Foam	ASTM D903	Passes
Moisture Vapor Trans. English Perms	ASTM E96 Procd. B	2.75 Perms @ 12 Mils
Tear Resistance	ASTM D1004	230 PLI
Hardness Shore A	ASTM D2240	78-86
Resistance to Water % max. change in weight after 7 days immersion	ASTM D471	4%
Weathering Resistance	ASTM D822	Slight Chalk
Abrasion Resistance @ 1000 Rev-CS-17 Wheels	C501 Taber Abrasion	15 Mg. Loss

PRODUCT DATA

<u>Description</u>	<u>Test Method</u>	<u>Results</u>
Viscosity, Krebs Unit	ASTM D 562	80-100
Weight - lbs./gal.	ASTM D 1475	10 lbs.
Weight Solids	ASTM D 1353	80%
Volume Solids	Calculated	75%
Flash Point	ASTM D 1310	105°F
Red Label		No
VOC -		1.83 lbs./gal.
Pot Life -		8 Hrs.
Shelf Life -		1 year
Cure Time @ 75°F, and 50% R.H.	TT-S-00230A	24 Hrs

SAFETY

This product contains flammable aromatic solvents. Excessive contact with bare skin should be avoided. It is good practice to wear gloves and to guard against splashing the coating or solvent. Inhalation of fumes or vapor should be avoided. Use a NIOSH approved respirator.

Thinning of materials is not required under normal application conditions. However, if required, thin material with Xylene. Never thin more than 10% without consulting NEOGARD®. Xylene should be used for cleaning equipment.

For surface preparation and application instructions, refer to NEOGARD® Guide Specifications.

STORAGE

Every precaution should be taken to prevent fire. Drums and cans of coatings and solvents should be stored in a cool (75°F) area safe from fire exposure. When specified on container, protect materials from freezing. Open containers, the liquid coating, its fumes and vapor must be kept away from any source of ignition, heat, sparks, arcing switches, open flames, including pilot lights, cutting torches and all tools that could cause sparks. Do not smoke. Use explosion proof equipment. Foam or dry powder fire extinguishers should be placed where they can be quickly and safely reached in case of fire.

FIRE RATINGS

7441 elastomeric polyurethane coating was tested in a composite roofing system by Underwriters Laboratories, Inc. for the resistance of roof covering materials. For specific classifications, consult Underwriters Laboratories Building Materials Directory.

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NEOGARD®

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