

EnduraTech® 72-005

AROMATIC URETHANE TOP COAT

DESCRIPTION:

EnduraTech® 72-005 is a single component, moisture cured, fire retardant, aromatic polyurethane top coat for a wide variety of EnduraTech® coating materials.

LIMITATIONS:

- 72-005 cures by reacting with moisture in the air. Partially used containers should not be left open and exposed to air.
- Substrates must be clean and dry.
- Special precautions may need to be taken when ambient and/or substrate temperatures are approaching, at, or above 110°F. Do not apply when substrate temperature is below 40°F (4°C).
- Use with adequate ventilation.

PRODUCT NUMBER, COLOR & PACKAGING:

- Standard Colors: White, Light Gray and Tan
- Packaging: 5 & 55 gallon Containers

APPLICATION INSTRUCTIONS

- May be applied by spray or heavy nap roller. However, airless spray is recommended for consistency.
- All surfaces must be clean, dry, and free of dirt, grease, oil, and other contaminants that would interfere with proper adhesion.
- Typically applied over a base coat of EnduraTech aromatic urethane coating per specification.
- Thoroughly mix and apply 72-005 as a top coat in two equal coatings of 100 sf/gal (1.0 gal/100 sf or 16 wet mils) to yield 12 dry mils per coat. Allow to cure after each coat. Total top coat thickness will be 24 dry mils or more.

- Optional Granule Coat: Thoroughly mix and apply 72-005 at approximately 133 sf/gal (0.75 gal/100 sf or 12 wet mils) and immediately broadcast #11 roofing granules at the rate of 30 lbs to 40 lbs /100 sf. After cure, remove loose granules from roof surface.
- Coating Thickness Requirements: Total coating system thickness shall average 36 dry mils (DFT), exclusive of Optional Granule Coat and granules. Minimum dry film thickness (DFT) at any point on the roof shall not be less than 24 dry mils of which 16 dry mils must be above the base coat material. Caution: Rough surface profiles of sprayed polyurethane foam may increase the number of coats required to achieve uniform film coverage and minimum dry film thickness requirements.
- Apply at temperatures above 50°F.
- Apply only when weather conditions will permit coating to dry - before rain, dew, or freezing temperatures occur.
- For additional details, see EnduraPlus® and EnduraRock® Installation Guide Specifications.

CURED PROPERTIES:

Properties	Test Method	Results
Tensile Strength	ASTM D412	1,022 psi
Elongation	ASTM D412	539%
Permanent Set	ASTM D412	<5%
Tear Resistance	ASTM D1004	1.35 lbs-force
Water Resistance	ASTM D471	<3% @ 7 days
Shore A Hardness	ASTM D2240	70 – 75
Taber Abrasion	ASTM D4060	7.5 mg/1,000cs 17
Recoat Time @ 75°F, 50% RH (25 mils WFT)	Calculated	5 hours
Adhesion to 72-004	ASTM D903	10.29 pli

PRODUCT DATA:

Properties	Test Method	Results
Weight/Gallon	ASTM D1475	10.66 lbs/gal
Weight Solids	ASTM D2369	84%
Volume Solids	Calculated	74%
VOC	ASTM D3960	236 g/L
Flash Point	ASTM D56	108°F
Shelf Life @ 70-90°F		1 year

MIXING AND THINNING:

Read product labels and application instructions prior to use. Mix 5 gallon pails and 55 gallon drums with a variable speed drill utilizing a Jiffy mixing paddle to suspend any settled pigment and attain a uniform color. Time will vary depending on temperature conditions. EnduraTech products are formulated to be installed as manufactured, without thinning.

STORAGE AND HANDLING:

Containers of 72-005 should be stored between 70°F and 90°F to ensure full shelf life. Keep containers closed. Keep away from sources of ignition. To prevent container rupture due to very high temperature, keep away from heat and/or open flames.

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.

The information on our data sheets is to assist customers in determining whether our products are suitable for their applications. The customers must satisfy themselves as to the suitability for specific cases. NCFI Polyurethanes warrants only that the material shall meet its specifications; this warranty is in lieu of all other written or unwritten, expressed or implied warranties and NCFI Polyurethanes expressly disclaims any warranty of merchantability, fitness for a particular purpose, or freedom from patent infringement. Accordingly, buyer assumes all risks whatsoever as to the use of the material. Buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the purchase price of the material. Failure to adhere strictly to any recommended procedures shall relieve NCFI Polyurethanes of all liability with respect to the material or the use thereof.