

COATING DATA

DESCRIPTION:

Thermopel 403 is a 100% acrylic water borne high build elastomeric coating that fills and bridges minor hairline cracks. Thermopel 403 Acrylic Elastomeric Coating, 403S - Smooth or Thermopel 403TX - Texture, provides long-term protection against driving rain and alternate freezing and thawing. It has excellent resistance to long-term exposure to sun light and will allow moisture vapor to escape from the substrate. It will expand and contract conforming to minor substrate movements even at temperatures below freezing.

USE:

For use as a coating for new and existing concrete, concrete block, poured and preset concrete, brick, stucco and steel substrates. Thermopel 403 Acrylic Elastomeric coating contains rust inhibitive pigmentation and is suitable for interior and exterior surfaces.

PERFORMANCE:

TEST	METHOD/CONDITIONS	DURATION	RESULTS	
			403S	403 CTX
Wind Driven Rain	TT-C-555B	24 Hours	Pass	Pass
Tensile Elongation	ASTM D 412	Elongation @ rupture Ultimate tensile strength	130%	91%
Moisture Vapor Permeance	ASTM E 96		3.84 Perms	4.24 Perms
Exterior Durability (QUV)	ASTM D 4587	500 Hours	No Deterioration	No Deterioration

LIMITATIONS:

Do not apply below 40°F (4°C). Keep from freezing. Surface must be clean and structurally sound, free of all contaminants such as release agents, oil, grease, algae, laitance, and chalk. Do not use below grade. Coverage must be pinhole free to achieve waterproofing.

SURFACE PREPARATION:

All surfaces must be dry and free of dirt, oil, laitance or other contaminants.

NEW WORK

Allow concrete, plaster, mortar or stucco to cure at least 14 days. Fill large cracks or pits with masonry patching compound. Fill block with Induron AC 220 Acrylic Block Filler. Prime steel or iron with Induron Aquanaut® Acrylic Primer. Aluminum or weathered galvanized steel do not require a primer. Apply two full coats of Thermopel 403 Elastomeric Coating.

PREVIOUSLY PAINTED SURFACES

Remove all loose paint and remove chalk. Fill large cracks and pits with masonry patching compound. Prime with AC 402 Acrylic Masonry Sealer. Apply two full coats of Thermopel AC 403 Elastomeric Coating.

COVERAGE:

Theoretical—818 ft² per gallon at 1.0 mil dry film thickness – no loss

DRY FILM THICKNESS:

6.0 to 12.0 mils per coat.

WET FILM THICKNESS:

12.0 to 24.0 mils per coat. Two coats are recommended for maximum waterproofing.

APPLICATION DATA**APPLICATION:**

Airless Spray—For 403S-Smooth, use Graco 35-1 or larger pump, with 0.019"-0.025" tip, maintaining an atomizing pressure of 2500-3000 psi. For 403TX-Textured, use a Graco 35-1 or larger pump, 1/2" minimum material hose, 0.023"-29" tip, maintaining an atomizing pressure of 2500-3000 psi. **Conventional Spray**—Not recommended. **Roll**—Use 3/4" to 1 1/2" nap good quality synthetic cover. 403TX-Textured, use 3/8" to 5/8" nap good quality synthetic cover on smooth surfaces. Use longer nap for rough or porous surfaces. Maintain uniform film thickness during application. **Brush**—Use synthetic or nylon bristle.

THINNING:

Thinning is not recommended. If necessary, thin up to 10% by volume with water. Immediately clean brushes and equipment with soapy water. Clean water rinse. Final flush equipment with ethanol or isopropyl alcohol.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is above 40°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:

TO HANDLE—4 hours at 80°F.

TO RECOAT—24 hours at 80°F.

Note: Lower temperature, higher film build, and/or poor ventilation will retard dry time.

PHYSICAL DATA:

VOLUME SOLIDS: 46% ± 1%

SOLIDS BY WEIGHT: 61% ± 1%

WEIGHT PER GALLON: 11.6 ± .2 lbs per gallon

VOLATILE ORGANIC CONTENTS:

Unthinned - < 0.6 lbs/gallon; < 75 grams/liter

Thinned 10% - < 0.6 lbs/gallon; < 75 grams/liter

SAFETY DATA:

This product is formulated free of lead, chromates, mercury or other toxic pigments. See product label for safety and health information. Individual Material Safety Data Sheets are available upon request.