



PRODUCT DATA

Performance Coatings & Sealant Systems

# ANDEK FIREGARD™

## Fire-Resistant Waterproofing Coating

For use only with Demilec USA Sealection 500 Spray Foam Insulation in accordance with ICC-ES, ESR1172 for attics and crawlspaces

### DESCRIPTION

For use as an intumescent, fire resistant coating applied over Sealection 500 spray polyurethane insulation in vertical applications within crawl spaces and attics (see ESR 1172). ANDEK FIREGARD<sup>1</sup> is a liquid applied, single component coating that contains highly effective fire retardants to reduce flame spread in the event of fire. Available in white or custom colors, ANDEK FIREGARD has been in constant use for over 20 years, protecting ducts, pipes, tanks, wooden structures, building components, boilers, freezers, and production and storage facilities in all types of climates.

### OUTSTANDING FEATURES

- ✓ Protects polyurethane foam insulation from combustion
- ✓ Substantially reduces smoke emission
- ✓ Single component and rapid setting, with very low odor
- ✓ Class 1 fire rating; self extinguishing and resists flame spread
- ✓ Remains flexible and tough, and moves with thermal changes
- ✓ Extremely durable and retains color and appearance
- ✓ Safe to handle and apply; contains no flammable solvents
- ✓ May be used in confined spaces without explosion risk
- ✓ Apply at least 2 hours after application of spray polyurethane foam

### SPECIFICATIONS

#### Coating Type:

Air drying, halogenated, aquaborne copolymer

#### Transport Requirements:

No restrictions; not hazardous

#### VOC: None

#### Drying Time: 2 hours to recoat

#### Shelf Life: 1 year (do not allow to freeze)

#### Coverage Rate:

1 coat @ 100 square feet per gallon or  
2 coats @ 200 square feet per gallon per coat

#### Recommended Thickness:

10 mils dry film thickness (16 wet mils)

#### Packaging: 5 U.S. gallon pails

#### Color:

26 standard colors, including white and custom colors.

*Unless a color is specified, Andek Firegard will be supplied in Beige (custom color #448).*

### APPLICATION

CAUTION! READ THIS ENTIRE PRODUCT DATA SHEET, IN ADDITION TO THE PRODUCT LABEL, BEFORE APPLICATION.

Spray polyurethane foam may be coated long after set time, but not less than 2 hours from initial set.

Surfaces to be coated must be dry, clean, and free of dirt, loose debris, and any other substances that could interfere with adhesion or correct cure of Andek Firegard.

Andek Firegard is applied directly out of the container after 2 minutes of low speed drill stirring. Do not thin the product. Apply Andek Firegard in 2 coats at a rate of 200 square feet per gallon per coat, using a brush, roller, or airless sprayer in a smooth, even technique. Apply the second coat after the first coat has set.

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### TECHNICAL DATA

Moisture Vapor Transmission	45 gms/m <sup>2</sup> /24 hrs (3.8 perms) @10 DFT	ASTM E-96
Tensile Strength	520 lbs/square inch	ASTM D-412
Elongation	1000% @ 75°F	ASTM D-412
Total Solids Content	71% (B.W.); 60% (B.V.)	ASTM D-1044
Shore 'A' Hardness	52	ASTM D-240
Impact Resistance 4mm indent	No cracking or loss of adhesion	ASTM D-6905
Interior Flame Spread	Index 5	ASTM E-84
Smoke Developed	Index 30	ASTM E-84

<sup>1</sup>Andek Firegard was previously named Polarroof Firegard

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### APPLICATION EQUIPMENT

Use a 3/8" nap roller, nylon bristle brush, or airless sprayer. Spray equipment configuration should have a minimum 30:1 pump ratio, 3/8" I.D. hose, and 23 to 33 tip size.

### CLEAN UP

Clean tools and equipment with lukewarm water before Andek Firegard begins to dry. Do not allow water to contact newly applied Andek Firegard before it has fully cured. If Andek Firegard has dried on tools, a compatible cleaning solvent such as toluene or xylene may be used.

### COVERAGE

Two coats at 200 square feet per gallon per coat. Two coats will provide the most accurate procedure to achieve an even 10 mils dry film thickness.

### LIMITATIONS

Andek Firegard does not protect foam from the effects of direct sunlight. This

product is approved to be used only as a covering for Sealection 500 in accordance with ICC-ES, ESR 1172. Apply within the following temperature range: 45°F (7°C) to 95°F (35°C). Do not apply if the temperature in the application area is predicted to drop below 45°F (7°C) within 4 hours after application.

### STORAGE

Store container indoors in a dry area and protect from direct sunlight and freezing. Keep container tightly sealed. Shelf life is 1 year when stored in a factory sealed container between 45°F (7°C) and 90°F (32°C).

### PRECAUTIONS

READ AND UNDERSTAND THE ENTIRE ANDEK FIREGARD MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING ANDEK FIREGARD.

Andek Firegard is a water-based product. Wear standard safety equipment (safety goggles, rubber gloves, coveralls, and

appropriate respirator) when applying Andek Firegard. During application, ventilate work area and make sure Andek Firegard vapors do not enter unventilated areas. Keep Andek Firegard away from children and pets.

### FIRST AID

Avoid contacting Andek Firegard with skin. Do NOT get Andek Firegard in eyes. If eyes become contaminated, get medical assistance and immediately flush eyes thoroughly with plenty of water for at least 15 minutes. Do NOT ingest. If ingested, get medical assistance immediately. Do NOT inhale vapor or mist. If inhaled, move individual to fresh air and get medical assistance immediately.

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For additional information, contact the Andek Technical Department, toll-free, at  
1-888-GO-ANDEK  
(1-888-462-6335).

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