



# CEMENTITIOUS THERMAL BARRIER

## 1. PRODUCT NAME

A/D CEMENTITIOUS THERMAL BARRIER

## 2. PRODUCT DESCRIPTION

**Basic Use:** A/D Cementitious Thermal Barrier is a single component, factory blended fire resistive cementitious coating specifically formulated to protect foamed plastic insulation from fire in accordance with the requirements in Canadian Building Codes.

**Composition and Materials:** A/D Cementitious Thermal Barrier is a proprietary blend of Portland cement, vermiculate and other ingredients. A/D Cementitious Thermal Barrier requires only the addition of water at the job site.

**Packaging:** A/D Cementitious Thermal Barrier is packaged in 22.6 kg (50 lb.) polyethylene bags.

**Limitations:** A/D Cementitious Thermal Barrier is not intended for direct exposure to weather. Certain food processing facility applications will necessitate a topcoat. Contact your A/D representative for topcoat or alternate recommendations.

## 3. TECHNICAL DATA

**Physical Properties:** Refer to Table 1.

**Fire Resistance Ratings:** A/D Cementitious Thermal Barrier has been tested in accordance with CAN4-S124, "Standard Method of Test for the Evaluation of Protective Coverings for Foamed Plastics" with results as follows:

Classification: B

Thickness: 18mm

Density: 380/370 kg/m<sup>3</sup> min. average/individual ULC listed and labeled.

## 4. INSTALLATION

**Surface Preparation:** Surfaces to receive A/D Cementitious Thermal Barrier must be free of dirt, oil, grease or other substances which may impair adhesion to the foamed plastic. Adhesive may be required for high humidity environments and on horizontal surfaces. Contact your A/D representative for adhesive recommendations.

**Method:** A/D Cementitious Thermal Barrier is applied only by authorized applicators. Bag contents are mixed with water to form a slurry. The slurry is spray applied using a fireproofing/plaster pump. Surfaces may be troweled to form a smooth surface. A/D Cementitious Thermal Barrier may be topcoated (painted) to provide a washable, aesthetic finish. Contact your A/D representative for topcoat recommendations

PHYSICAL PROPERTIES Table 1

Property	ASTM Method	Result
Dry Density	E605	370 kg/m <sup>3</sup> (23 lb/ft <sup>3</sup> ) min. individual
Cohesion/ adhesion	E736	60 kPa (1260 lbf/ft <sup>2</sup> )
Compressive Strength	E761	910 kPa (19008 lbf/ft <sup>2</sup> )
Penetration Resistance	C569	2778 kPa (403 lb/in <sup>2</sup> )
Flame Spread	E84	10
Smoke Developed	E84	0

## 5. AVAILABILITY AND COST

Availability: A/D sales offices and technical representatives are located throughout North America.

## 6. MAINTENANCE:

No maintenance should be required. Damage caused by other trades should be patched at the expense of trade causing damage.

**7. Health and Safety:** To safely use this product, read and abide by the material safety data sheet (MSDS). Air movement and thinner coats will usually assist drying.

## 8. TECHNICAL SERVICES

Contact nearest A/D representative or office.

## A/D FIRE PROTECTION SYSTEMS

**Head Office:** 420 Tapscott Rd., Scarborough, Ontario M1B 1Y4

Tel: 1 (800) 263-4087 or (416) 292-2361 Fax: (416) 298-5887

www.adfire.com

### Contacts by State or Province

Ottawa: Tel: 800-650-0881, Fax: 613-841-7768

BC, AB, SK, MB: Tel: 800-665-3153, Fax: 403-275-1433

NB, NF, NS, PE, PQ: Tel: 800-914-6506, Fax: 450-661-8776

