

A/D Firefilm® III C



A/D Firefilm III C is a decorative, thin film, water based, intumescent fireproofing material designed for the protection of structural steel in micro-electronics, clean room, pharmaceutical, and other sterile facilities. A/D Firefilm III C has ratings from 1 to 3 hours and shares the same extensive fire test listings as A/D Firefilm III.

PRODUCT DETAILS

A/D Firefilm III C was formulated to provide a better fireproofing option for structural steel in clean room environments. These types of applications require coatings that do not contribute any particulate matter, including out-gassing VOC's, into the environment. Particulate matter and or out-gassing of materials in the clean air stream will disrupt the manufacturing process. Only coatings that are particulate free and have very low out-gassing properties may be specified and used in this type of application. A/D Firefilm III C's water based formulation has low VOC's and very low out-gassing properties making it ideal for this type of environment.

APPLICATIONS

- CLEAN ROOMS
- LABORATORIES
- MICRO-ELECTRONICS
- MANUFACTURING FACILITIES
- STERILE ENVIRONMENTS
- HOSPITALS
- PHARMACEUTICAL PLANTS

FEATURES

- › Tested in strict accordance with the Intel and M+W Group out-gassing test standards
- › Water based intumescent
- › Very low out-gassing
- › Low VOC
- › LEED Compliant
- › Listed by: UL/ULC (Underwriter's Laboratories), ITS (Intertek), WH (Warnock Hersey), and FM (Factory Mutual FM Global)
- › Dust and fiber free formulation
- › Smooth, decorative finish

A/D Firefilm® III C

Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Reasons To Use A/D Firefilm III C

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low VOC formulation	LEED compliant, low out-gassing properties	Does not contribute particulate matter into the environment
Efficient, water based, thin film coating	Eliminates the need for conventional fireproofing and gypsum board	Smaller column footprint generates substantial space and weight savings
Smooth, fiber free, decorative finish	Can be used within clean air stream	Aesthetically pleasing, cleanable, dust free finish
Clips and hanger attachments can be made directly over A/D Firefilm III C	Dramatically reduces cost of patching repairs incurred with conventional fireproofing	Faster application and minimal repair costs

Physical Properties for A/D Firefilm III C

Coverage	5213 ft ² per 5 gal pail @ 1 mil DFT
Application Rate	45 mils per coat (30 mils DFT)
Density (ASTM E 605)	11.9 lbs/gal
Durometer Hardness (Shore D) (ASTM D 2240)	65 - 70
Compressive Strength (ASTM E 761)	109,008 psf
Solids by Volume	65 +/-2%
Solids by Weight	72 %

VOC	0.17 lbs/gal (20 g/l)
Adhesion/Cohesion (ASTM D 4541)	18,000 psf
Abrasion Resistance (ASTM D 4060)	103 mg loss @ 1000 cycles
Impact Resistance (ASTM D 2794)	152 in-lbs
Flame Spread (ASTM E 84)	0 (Class A)
Smoke Development (ASTM E 84)	15 (Class A)
Shelf Life	6 months



Carboline Company
 Global Headquarters
 2150 Schuetz Road
 St. Louis, MO 63146 USA
 PH: +1-314-644-1000
www.carboline.com