

Intumescent Clean Room System

Carbocoat 8229 / A/D Firefilm III C / Sanitile 845

This intumescent fireproofing system provides a smooth, durable finish and extremely low out-gassing properties making it ideal for the fire protection of structural steel in clean room and other sterile applications.



SYSTEM FEATURES

- Meets strict Intel and M+W Group out-gassing test standards
- Smooth, decorative satin finish
- Very low out-gassing
- Low VOC, compliant to 100 g/l VOC regulations
- LEED Compliant
- A/D Firefilm III C is listed by: UL/ULC (Underwriter's Laboratories), ITS (Intertek), WH (Warnock Hersey), and FM (Factory Mutual FM Global)
- Excellent sheen for easy cleanability
- Primer and finish coat can also be used as stand alone low out-gassing coating system

SYSTEM DETAILS

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.

PRIMER

Carbocoat 8229 Non-Lift Primer is a low out-gassing, heavy duty universal primer perfect for clean room applications.

INTUMESCENT FIREPROOFING

A/D Firefilm III C is a thin film, water based, low VOC intumescent fireproofing product with very low out-gassing properties making it ideal for this type of environment.

FINISH

Sanitile 845 is an extremely low out-gassing, high solids, high build, satin polyurethane that provides an attractive and durable finish while exhibiting outstanding performance properties.

APPLICATIONS

CLEAN ROOMS

LABORATORIES

MICRO-ELECTRONICS

MANUFACTURING FACILITIES

STERILE ENVIRONMENTS

HOSPITALS

PHARMACEUTICAL PLANTS



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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 THIS SYSTEM

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low VOC formulations	LEED compliant, low out-gassing properties	Does not contribute particulate matter into the environment
Efficient, water based, thin film intumescent fireproofing	Eliminates the need for conventional fireproofing and gypsum board	Smaller column footprint generates substantial space and weight savings
Smooth, decorative finish	Can be used within clean air stream	Aesthetically pleasing, cleanable, satin finish

TYPICAL CLEAN ROOM SYSTEMS

SYSTEM	SURFACE PREP	PRIMER	INTUMESCENT	FINISH
Intumescent Fireproofing System	SSPC-SP 2 or 3 as a minimum requirement. SSPC-SP6 for maximum performance	Carbocoat 8229 Non-Lift Primer @2-3 mils DFT	A/D Firefilm III C @ specified rating	Sanitile 845 @ 3-5 mils DFT
Coating System	SSPC-SP 2 or 3 as a minimum requirement. SSPC-SP6 for maximum performance	Carbocoat 8229 Non-Lift Primer @2-3 mils DFT	N/A	Sanitile 845 @ 3-5 mils DFT

