

CLASSIC 5 LD FIREPROOFING

Fireproofing Products
by
The Schundler Company



1. PRODUCT NAME: Classic 5 LD

2. PRODUCT DESCRIPTION: Schundler **Classic 5 LD** is a cementitious, inorganic fireproofing product designed to be mixed with clean, potable water and then spray applied to interior structural steel columns and beams, joists, girders, walls, roofs, steel decking, floors, and concrete surfaces. It is a blend of gypsum and vermiculite and other time-tested ingredients, and has been tested and approved for fire resistance ratings up to 4 hours.

3. PRODUCT FEATURES:

- Listed and classified by Underwriters Laboratories, Inc. (see design listings)
- Time-tested traditional (classic) formula of asbestos-free, non-combustible vermiculite and gypsum.
- No mineral wool or mineral fibers, no alum or chloride required, no styrene or similar organic aggregates that will burn or give off gases during combustion.
- Ready to use with no need for other additives, ingredients, or products.
- User friendly—easy to use.
- Can be sprayed to different thicknesses depending on desired rating and assembly being fireproofed.

4. LIMITATIONS:

- **Classic 5 LD** can be used on exterior surfaces with limited exposure to weather.
- **Classic 5 LD** can be used in applications where it will be exposed to limited physical abuse.
- **Classic 5 LD** does not promote corrosion.

5. INSTALLTION:

- Surfaces that are sprayed with **Classic 5 LD** must be free of oil, grease, loose scale or other substances that may impair adhesion.
- Hangers, clips or other attachments should be in place before **Classic 5 LD** is sprayed. Ducts, plumbing and electrical are to be installed after fireproofing is installed.
- Any material that is damaged by other trades and weather conditions are the responsibility of the General Contractor.

6. PHYSICAL PROPERTIES

<u>Property/Test</u>	<u>ASTM Method</u>	<u>Minimum Required Properties</u>
Density, lbs/cu.ft ³	E-605	15 pcf minimum average density & 14 pcf minimum individual density
Compressive Strength, psi (at 10% Deformation)	E-761	> 1200 psf
Bond Strength (Adhesion) lbs/ft ²	E-736	> 200 psf
Impact Resistance	E-760	Pass
Deflection Resistance	E-759	Pass
Air Erosion, grams/ft ² /48 hours	E-859	0.005
Corrosion, grams/mm ²	E-937	Pass
Combustibility (ASTM E-136)		non-combustible
Flame Spread		10
Smoke Developed		0
Shrinkage		< 0.5%
Color		gray-tan
Shelf Life		9 months if kept dry

<u>Property/Test</u>	<u>ASTM Method</u>	<u>Actual Tested Results & Values By Sor Testing Laboratories 11/19/04</u>
Density, lbs/cu.ft ³	E-605	17.5 & 18 pcf (240-288 kg/m ³)
Compressive Strength, psi (at 10% Deformation)	E-761	110 psi or 15,840 psf
Bond Strength (Adhesion) lbs/ft ²	E-736	350+ lbs/ft ²
Impact Resistance	E-760	Passes
Deflection Resistance	E-759	Passes
Air Erosion, grams/ft ² /48 hours	E-859	0.000
Thickness, Inches	E-939	1.13 & 1.19
Corrosion, grams/mm ²	E-937	0.00
<u>Property/Test</u>	<u>ASTM Method</u>	<u>Additional Information & Reports</u>
Combustibility	E-136	Non-combustible
Flame Spread		10
Smoke Developed		0
Shrinkage		< 0.5%
Color		gray-tan
Shelf Life		9 months if kept dry

7. UL FIRE RESISTANCE CERTIFICATIONS AND CLASSIFICATIONS:

Most Frequently Used UL Designs	
Columns	Design No. Y726 & Y727
Roof Assembly Protected Roofs, Ceilings	Design No. P743
Floor Ceiling Assembly Protected Floor, Ceiling Unprotected Floor, Ceiling	Design Nos. D787 & D943 Design No. D787 Design No. D943

8. City of New York/Department of Buildings: Classic 5 LD has been approved for use in NYC: MEA 411-03-M

9- MANUFACTURER: Schundler Classic 5 LD is manufactured by:

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The Schundler Company is one of the oldest perlite and vermiculite processing companies in America.

The Schundler Company has been providing perlite and vermiculite aggregates to the plastering and fireproofing industries since it started, and has been manufacturing a variety of fireproofing products for over ten years.

Please visit our web site at www.schundler.com to read more about the company and its products.