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CORPORATE HEADQUARTERS

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PRODUCT LISTING

Reference No. Shield-A-475-Fireguard

Status: Current

Manufacturer:

Shield Industries, Inc.
131 Smokehill Lane
Woodstock, GA 30188

Product(s):

ForceField® FireGuard E-84® Intumescent Coating

Report:

Guardian Test Report GL 26814-1; Test Report Date 4/16/2014

Standards Tested to: Applicable Sections of UL 1715 3rd Edition, UBC 26-3 and NFPA 286 Sections 1-3.4, 5-1.3 for Flashover

Results: ForceField® FireGuard E-84® creates a thermal barrier when applied at 15 mil dry thickness on 8 inch, closed cell, spray applied foam insulation

Guardian Test Report GL 26814-2; Test Report Date 5/7/2014

Standards Tested to: Applicable Sections of UL 1715 3rd Edition, UBC 26-3 and NFPA 286 Sections 1-3.4, 5-1.3 for Flashover

Results: ForceField® FireGuard E-84® creates a thermal barrier when applied at 15 mil dry thickness on 1 inch thick or thicker, open cell, spray applied foam insulation

Guardian Test Report GL 78413, Test Report Date 12/18/2013

Standards Tested to: UL 10B, NFPA 252

Results: ForceField® FireGuard E-84® was applied at 25 mil dry thickness to a 6-panel, wood door. The test assembly achieved a 20-minute fire endurance rating.

Guardian Test Report GL 53913, Test Report Date 12/20/2013

Standards Tested to: ASTM E-119-11a; UL 263; NFPA 251, ULC-S-101 Fire Endurance, No Load; ASTM E-2226 Hose Stream

Results: ForceField® FireGuard E-84® was applied at 50 mil dry thickness to a regular block concrete wall. The wall achieved a 3-hour fire endurance rating with hose stream.

Shield Industries' ForceField® FireGuard E-84® has been tested by Guardian Fire Testing Laboratories, Inc. to the following standards: ASTM E- 119; UL 263; NFPA 251 for a fire resistance rating when applied to: Structural Steel; Gypsum Wall assemblies; Gypsum Floor/Ceiling Assemblies; Wood Wall Assemblies; Wood Floor/Ceiling Assemblies. The product also has been tested with a substrate of Oriented Strand Board to ASTM 2768, extended duration standard for flame spread and smoke, by Commercial Testing Co., Dalton, GA. It achieved a flame spread rating of 0 and a smoke index of 5. Results are reported in Commercial Testing's Report # 4181-1624-111R.

FIREGUARD E-84® applied at various mil thicknesses and depending on the substrate or assembly being treated for flame and fire resistance achieves fire resistance ratings from 1 to 2 hours. The label on the product container shows substrates, dry mil thicknesses, time rating achieved, specification sheet number and test report number in order to inform the user of the ways in which the product has been successfully tested and the details of the application procedure.