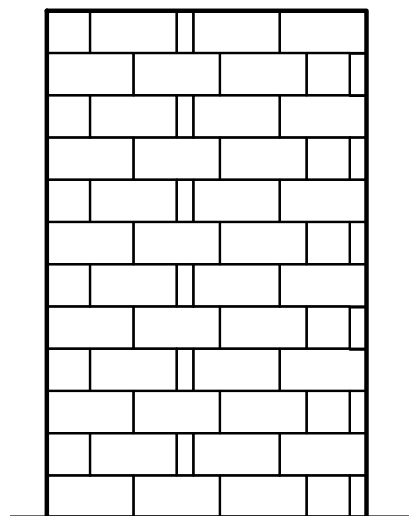
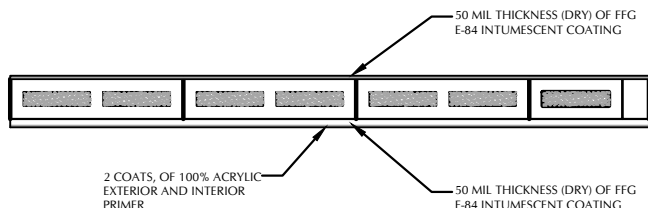




1,2,3 & 4 HOUR FIRE ASSEMBLY - MASONRY BLOCK WALL W/ FIREGUARD E-84

Based on Standard Masonry Block Units in a Wall Assembly, (nominal) 4"x 8"x 8", 4"x8"x16", 4"x8"x 2 1/4", 6"x8"x16", 8"x8"x16", 10"x8"x16" of hollow masonry blocks and masonry mortar. This wall assembly is first coated with 2 roller coats of water base Exterior & Interior Primer and 50mil. thickness of FierGuard E-84 intumescent coating.

CMU BLOCK - RATING SCHEDULE					
CMU SIZE	EQUIVALENT THICKNESS (52.05% SOLID)	FIRE RATING W/O COATING	FIRE RATING W/ COATING	DRY MIL THICKNESS	GL TESTING #
4"	.52 (3.625) = 1.885"	< 1/2	1, 2, 3	50 MIL DRY	GL 53913
6"	.52 (5.625) = 2.925"	1	2, 3	50 MIL DRY	GL 53913
8"	.52 (7.625) = 3.956"	1 3/4	2, 3	50 MIL DRY	GL 53913
10"	.52 (9.625) = 5.005"	2 3/4	3	50 MIL DRY	GL 53913



TO ACHIEVE 1, 2 AND 3 HOUR FIRE RATING: (PER ABOVE CHART PER CMU SIZE)
APPLY 2 COATS OF AN EXTERIOR 100% STYRENE ACRYLIC PRIMER, THEN 50 MIL THICKNESS (DRY) OF ForceField® FireGuard® E-84 TO EXPOSED AND UNEXPOSED SIDE OF CMU WALL ASSEMBLY. ONCE COMPLETELY DRY, ASSEMBLY CAN BE TOP COATED WITH FLAT OR SEMI-GLOSS, WATER-BASED, LATEX PAINT.

SCALE: N.T.S.

FIRE TEST ENDURANCE RATING:	1 Hour, 2 Hour and 3 Hour (and Hose Stream Rating)
STANDARD TESTED TO:	ASTM E-119-11a, UI 263, NFPA 251, ULC-S-101 Fire Edurance, no Load; ASTM E2226 Hose Stream
FIRE TESTED LABORATORY:	GUARDIAN FIRE TESTING LABORITORIES, INC. 480 HINMAN AVE. BUFFALO, NY 14216
REPORT NO:	GL 53913
PRODUCT:	ForceField® FireGuard® E-84 INTUMESCENT COATING (FFG E-84)
MANUFACTURER:	SHIELD INDUSTRIES, INC. 131 SMOKEHILL LANE WOODSTOCK, GA 30188
* SEE MANUFACTURER APPLICATION INSTRUCTIONS AND SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION PROCESS	