**Shield Industries, Inc.**

**ST-17** 1 HOUR FIRE ASSEMBLY - MEDIUM WEIGHT STRUCTURAL STEEL COLUMN

**TYPICAL ASSEMBLY - MEDIUM WEIGHT STRUCTURAL STEEL MEMBER USED VERTICALLY AS A COLUMN**

Medium weight defined as 10 LBS-23.9 LBS. per liner foot of material

![Diagram](image)

TO ACHIEVE 1 HOUR RATING:
PREPARATION OF STEEL MEMBER: CLEAN AND APPLY COMPATIBLE STEEL PRIMER @ 2.5 MIL.
APPLY 40 MIL THICKNESSES (DRY) OF ForceField® FireGuard® E-84 TO ALL EXPOSED SIDES OF STEEL COLUMN.

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**FIRE TEST ENDURANCE RATING:**

1 HOUR

**STANDARD TESTED TO:**

ASTM E-119 STRUCTURAL STEEL SECTION: NFPA 251: UL 263; ULC S-109-07 WITH NO LOAD CAPACITY, NO RESTRAINT, SMALL SCALE TEST

**FIRE TESTED LABORATORY**

GUARDIAN FIRE LABORATORIES, INC.
480 HINMAN AVE.
BUFFALO, NY 14216

**REPORT NO.**

GL 11561I, GL8831

**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*