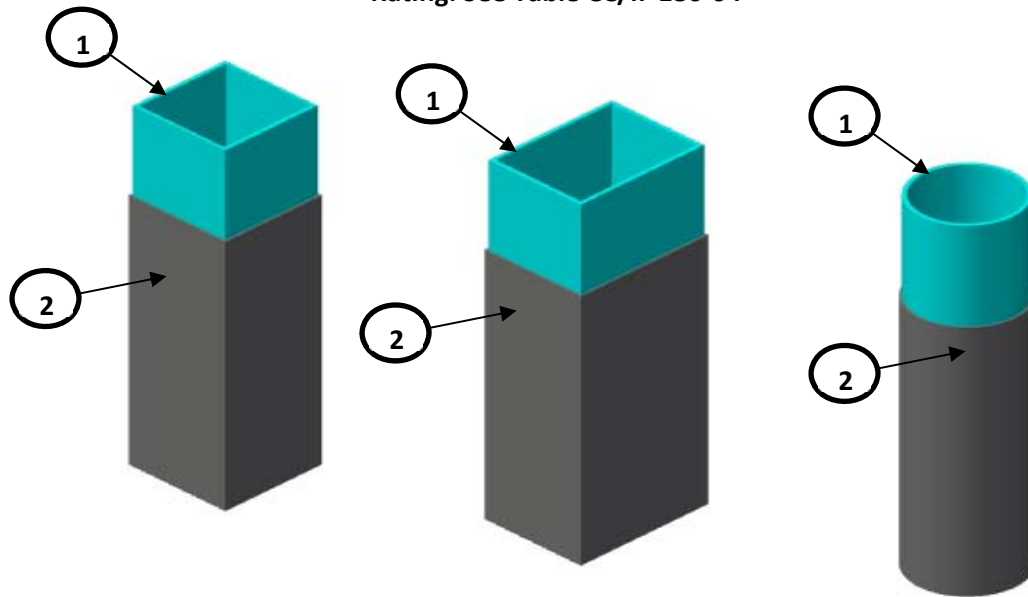


Carboline Corporation
Design No. CC/IF 180-04
Column
Fire Film IV
ASTM E119, UL 263, CAN/ULC-S101
Rating: See Table CC/IF 180-04



1. HOLLOW STRUCTURAL STEEL COLUMN: Use hollow square, rectangular, or circular steel sections, having nominal Hp/A, or A/P section factors based on four-sided exposure. Prior to application of FireFilm IV (Item 2), column shall be prepared and coated with a compatible primer recommended by the manufacturer.

CERTIFIED PRODUCT: Intumescent Fireproofing

CERTIFIED MODEL: FireFilm IV

Spray or paint one or more coats according to manufacturer's instructions to the required thickness specified in Table CC/IF 180-04.

2. CERTIFIED MANUFACTURER: Carboline Company

Table CC/IF 180-04

Hp/A	A/P	90 min		120 min		150 min		180 min	
		mm	in.	mm	in.	mm	in.	mm	in.
169	0.23	4.84	0.190	5.70	0.225	-	-	-	-
114	0.35	3.68	0.145	5.02	0.198	6.37	0.251	7.71	0.304