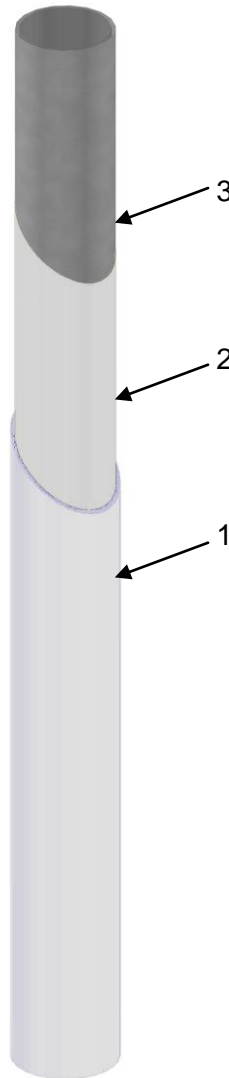


**QAI Design B1077-1c – FlameOFF Coatings, Inc. – Fire Barrier Paint – ASTM E119/CAN/ULC S101  
 1 Hour Protective Membrane for Load-Bearing Round HSS Steel Columns**



No.	COMPONENT	DESCRIPTION		
1	Protective Membrane	Certified Manufacturer:	FlameOFF Coatings, Inc.	
		Certified Product Name:	Fire Barrier Paint	
		Membrane Type:	Water-Based Intumescent Coating	
		Application:	Roller, Brushed or Spray	
		Wet Film Thickness (WFT):	Maximum per coating application:	Refer to manufacturers installation instructions
			Total WFT per column:	370 mils
Dry Film Thickness (DFT):	Average Coating Thickness per column:	250 mils		
	Tolerance of coating:	±30 mils		
2	Primer	Type:	Alkyd Metal Primer, with a minimum bond strength of 7,000 psf (335.3 kN/m <sup>2</sup> ) when tested in accordance with ASTM E736	
		Approved Primers:	Sherwin Williams Kem Bond <sup>®</sup> HS Universal	
		Wet Film Thickness (WFT):	3-5 mils	
		Preparation:	Steel must be free of dirt, loose scale and oily deposits	
3	Approved HSS Steel Column	Minimum Column Size:	6" - Schedule 10	
		Minimum W/D Ratio:	0.45	
		Steel Preparation:	Sand blasted, sanded or degreased	

**Note:**

W = Weight of the column section (lbs/ft)

D = Heated perimeter of the column section (in)

Dry Film Thickness (DFT) outlined shall be determined using the methods prescribed in AWCI Technical Manual 12-B