



TECHNICAL BULLETIN #85

PECORA UL CLASSIFIED FIRESTOP SYSTEMS

UL 2079 EXPANSION JOINT and EXTERIOR WALL SYSTEMS¹

JOINT SYSTEMS and COMPONENTS ²									
UL Design #	Movement % Extension/ Compression		Fire Rating Hours	Pecora Sealant <small>Minimum Sealant Depth = 1/2"</small>	Joint Backing	Minimum Depth of Backing, inches	Firestop Compression Factor, % Minimum	Minimum Concrete Thickness, Inches	Max. Joint Width, inches
	Sealant	System							

Floor-to-Floor Joints									
FF-S-0006 Configuration # 1	50 50	0	2	Dynatrol II 864NST	Ultra Block	3	25	4.5	0.75
FF-S-0006 Configuration # 2	50 12.5	0	2	Dynatrol II AC-20 FTR	Ultra Block	3	25	4.5	0.75
FF-S-0017	25	0	2	DynaTred	Ultra Block	3	25	4.5	2
	12.5	0	2	DynaFlex	Ultra Block	3	25	4.5	2
FF-S-1007	50	0	3	Dynatrol II	Ultra Block	4	25	4.5	3
FF-S-2002	12.5	0	2	AC-20 FTR	Ultra Block	3	25	4.5	7
FF-S-1010	12.5	0	4	AC-20 FTR	Ultra Block	6	25	6.0	4
FF-D-1033	50	25	1	Dynatrol II	Mineral Wool	4	50	4.5	3
FF-D-1034	50	8.33	4	Dynatrol II	Mineral Wool	4	50	4.5	3
Wall-to-Wall Joints									
WW-S-0010 Configuration # 1	50 50	0	2	Dynatrol II or 864NST	Ultra Block	3	25	4.5	0.75
WW-S-0010 Configuration # 2	50 12.5	0	2	Dynatrol II or AC-20 FTR	Ultra Block	1	25	4.5	0.75
WW-S-0021	25	0	2	DynaTred	Ultra Block	3	25	4.5	2
	12.5	0	2	DynaFlex	Ultra Block	3	25	4.5	2
WW-S-0038	50	0	2	Dynatrol II or 864NST	Ultra Block	3	25	4	1
WW-S-1008	50	0	3	Dynatrol II	Ultra Block	4	25	4.5	3
WW-S-2008	12.5	0	2	AC-20 FTR	Ultra Block	3	25	4.5	7
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JOINT SYSTEMS and COMPONENTS ²									
UL Design #	Movement % Extension/ Compression		Fire Rating Hours	Pecora Sealant <small>Minimum Sealant Depth = 1/2"</small>	Joint Backing	Minimum Depth of Backing, inches	Firestop Compression Factor, % Minimum	Minimum Concrete Thickness, Inches	Max. Joint Width, inches
	Sealant	System							

Wall-to Wall Joints									
WW-S-1012 Configuration # 1	12.5	0	4	AC-20 FTR	Ultra Block	6	25	6	4
WW-S-1012 Configuration # 2	12.5	0	4	AC-20 FTR	Ultra Block	6	25	7	4
WW-D-1034	50	25	1	Dynatrol II	Mineral Wool	4	50	4.5	3
WW-D-1035	50	8.33	4	Dynatrol II	Mineral Wool	4	50	4.5	3
Floor-to-Wall Joints									
FW-D-1030	50	25	1	Dynatrol II	Mineral Wool	4	50	4.5	3
FW-D-1031	50	8.33	4	Dynatrol II	Mineral Wool	4	50	4.5	3
FW-S-0011	50	0	2	Dynatrol II	Ultra Block	3	25	4.5	0.75
	12.5	0	2	AC-20 FTR	Ultra Block	3	25	4.5	0.75
Head-of-Wall Joints									
HW-D-1030	50	25	1	Dynatrol II	Mineral Wool	4	50	4.5	3
HW-D-1031	50	8.33	4	Dynatrol II	Mineral Wool	4	50	4.5	3
HW-S-0072	50	0	2	Dynatrol II	Ultra Block	3	25	4.5	0.75
	12.5	0	2	AC-20 FTR	Ultra Block	3	25	4.5	0.75



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EXTERIOR WALL SYSTEMS and COMPONENTS ^{1, 2}															
UL Design #	Base Wall	Gypsum Board		Exterior Wall System Component		Foam Insulation	Masonry Veneer Anchors	Steel Lintel	Window System				Mineral Wool	Exterior Finishing	Window Flashing
		Interior	Exterior	Fluid Applied Flashing	Air, Vapor, and Water Resistive Barrier				Jamb & Sill Framing	Header Extension	Forming Material	Exterior Wall Component – Metal Framing Silicone Sealant			
<u>EWS0024</u>	Steel Studs, Cast Concrete Wall or CMU	5/8" thick, 4 ft wide (CKNX certified)	Exterior grade glass mat sheathing (CKNX certified)	<u>Pecora XL-Flash</u>	<u>Pecora XL-Perm ULTRA VP</u>	Extruded polystyrene insulation board (BRYX certified)	1 – 4" self-drilling type	1/4" thick steel angle	Fire retardant treated lumber (BPVV certified)	Treated plywood (BUGV certified)	Min. 2.5" thick mineral wool (XHKU certified)	<u>Pecora AVB Silicone Sealant</u>	Min. 8" thick, 4 pcf mineral batt insulation	Exterior Brick Veneer, Concrete, CMU, Stone Veneer, Terracotta Cladding Stucco	0.080" thick aluminum or 25 ga steel flashing

¹ Exterior Wall System certified by UL per NFPA 285 "Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components".

² The information contained in this document is intended as a general guideline for the installation of Pecora UL certified firestopping systems. Please refer to specific UL designs in UL Fire Resistance Directory - Volume 2 or contact Pecora Technical Service at 1-800-523-6688 for further details on specific design parameters for the installation of Pecora firestopping systems.