



# TECHNICAL BULLETIN #85

## PECORA UL CLASSIFIED FIRESTOP SYSTEMS

### UL 2079 EXPANSION JOINT and EXTERIOR WALL SYSTEMS<sup>1</sup>

<b>JOINT SYSTEMS and COMPONENTS<sup>2</sup></b>									
<b>UL Design #</b>	<b>Movement % Extension/ Compression</b>		<b>Fire Rating Hours</b>	<b>Pecora Sealant</b> <small>Minimum Sealant Depth = ½"</small>	<b>Joint Backing</b>	<b>Minimum Depth of Backing, inches</b>	<b>Firestop Compression Factor, % Minimum</b>	<b>Minimum Concrete Thickness, Inches</b>	<b>Max. Joint Width, inches</b>
	Sealant	System							

<b>Floor-to-Floor Joints</b>									
<a href="#">FF-S-0006</a> Configuration # 1	50 50	0	2	<a href="#">Dynatrol II</a> <a href="#">864NST</a>	Ultra Block	3	25	4.5	0.75
<a href="#">FF-S-0006</a> Configuration # 2	50 12.5	0	2	<a href="#">Dynatrol II</a> <a href="#">AC-20 FTR</a>	Ultra Block	3	25	4.5	0.75
<a href="#">FF-S-0017</a>	25	0	2	<a href="#">DynaTred</a>	Ultra Block	3	25	4.5	2
	12.5	0	2	<a href="#">DynaFlex</a>	Ultra Block	3	25	4.5	2
<a href="#">FF-S-1007</a>	50	0	3	<a href="#">Dynatrol II</a>	Ultra Block	4	25	4.5	3
<a href="#">FF-S-2002</a>	12.5	0	2	<a href="#">AC-20 FTR</a>	Ultra Block	3	25	4.5	7
<a href="#">FF-S-1010</a>	12.5	0	4	<a href="#">AC-20 FTR</a>	Ultra Block	6	25	6.0	4
<a href="#">FF-D-1033</a>	50	25	1	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">FF-D-1034</a>	50	8.33	4	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<b>Wall-to-Wall Joints</b>									
<a href="#">WW-S-0010</a> Configuration # 1	50 50	0	2	<a href="#">Dynatrol II</a> or <a href="#">864NST</a>	Ultra Block	3	25	4.5	0.75
	50 12.5	0	2	<a href="#">Dynatrol II</a> or <a href="#">AC-20 FTR</a>	Ultra Block	1	25	4.5	0.75
<a href="#">WW-S-0021</a>	25	0	2	<a href="#">DynaTred</a>	Ultra Block	3	25	4.5	2
	12.5	0	2	<a href="#">DynaFlex</a>	Ultra Block	3	25	4.5	2
<a href="#">WW-S-0038</a>	50	0	2	<a href="#">Dynatrol II</a> or <a href="#">864NST</a>	Ultra Block	3	25	4	1
<a href="#">WW-S-1008</a>	50	0	3	<a href="#">Dynatrol II</a>	Ultra Block	4	25	4.5	3
<a href="#">WW-S-2008</a>	12.5	0	2	<a href="#">AC-20 FTR</a>	Ultra Block	3	25	4.5	7
<b>Continued on page 2</b>									



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JOINT SYSTEMS and COMPONENTS <sup>2</sup>									
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									
<a href="#">WW-S-1012</a> Configuration # 1	12.5	0	4	<a href="#">AC-20 FTR</a>	Ultra Block	6	25	6	4
<a href="#">WW-S-1012</a> Configuration # 2	12.5	0	4	<a href="#">AC-20 FTR</a>	Ultra Block	6	25	7	4
<a href="#">WW-D-1034</a>	50	25	1	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">WW-D-1035</a>	50	8.33	4	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
Floor-to-Wall Joints									
<a href="#">FW-D-1030</a>	50	25	1	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">FW-D-1031</a>	50	8.33	4	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">FW-S-0011</a>	50	0	2	<a href="#">Dynatrol II</a>	Ultra Block	3	25	4.5	0.75
	12.5	0	2	<a href="#">AC-20 FTR</a>	Ultra Block	3	25	4.5	0.75
Head-of-Wall Joints									
<a href="#">HW-D-1030</a>	50	25	1	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">HW-D-1031</a>	50	8.33	4	<a href="#">Dynatrol II</a>	Mineral Wool	4	50	4.5	3
<a href="#">HW-S-0072</a>	50	0	2	<a href="#">Dynatrol II</a>	Ultra Block	3	25	4.5	0.75
	12.5	0	2	<a href="#">AC-20 FTR</a>	Ultra Block	3	25	4.5	0.75



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EXTERIOR WALL SYSTEMS and COMPONENTS <sup>1, 2</sup>															
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			
<a href="#"><u>EWS0024</u></a>	Steel Studs, Cast Concrete Wall or CMU	5/8" thick, 4 ft wide (CKNX certified)	Exterior grade glass mat sheathing (CKNX certified)	<a href="#"><u>Pecora XL-Flash</u></a>	<a href="#"><u>Pecora XL-Perm ULTRA VP</u></a>	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)	<a href="#"><u>Pecora AVB Silicone Sealant</u></a>	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

<sup>1</sup> 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".

<sup>2</sup> 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.