

Wall to Wall or Ceiling to Ceiling
Wall to Corner or Wall to Ceiling

Flush Mount Exterior Expansion Joints

i720[®]

ichem[®]
building solutions

Product
Guide



Description

The i720[®] exterior wall + ceiling expansion joint system is flush mounted to reduce sightline. Additionally, the pleated seal comes in a variety of colors to blend into your wall material.

Key Features

- **Install Condition:** Wall/Wall, Ceiling/Ceiling.
- **Joint width:** 50-150mm.
- Flush mount interior and exterior systems reduce sightline.
- **i900 TR[®]** seals - Field heat weldable for weather tight transitions.
- Standard seal colors: black, beige, gray, off white and bright white. Custom colors available upon request.
- 4 component exterior system includes integral backseal.
- May be installed to various substrates with mechanical anchors or epoxy adhesive.
- Mill finish aluminum.

Materials

Aluminum: Alloy types of 6061-T6, 6063-T6, 6005A, or 5052-H32 sheet goods.



Application Instructions

Installation: Joint systems: Install in accordance with manufacturer's instructions.

Align work plumb, level and flush with adjacent surfaces. Mechanically anchor to substrate. Allowances should be made where actual structural gap at time of installation varies from nominal design gap. No shimming of frames is permitted. Coordinate with work of other Sections.

If concrete blockouts (rebates) are required, ensure continuous support equal to surrounding substrate structural values.

Fire Rated Assemblies: Where required, install to manufacturer's instructions.

Moisture Barrier: Where required, install to manufacturer's instructions.

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Protect: the completed Expansion Control system work from damage during construction. Damage protection includes surface abrasion and overloading of coverplate by materials handling equipment and construction waste/debris. Protection from environmental factors required throughout installation process until Project Closeout. Protection includes but is not limited to rain events, moisture protection, exposure to temperature fluctuations or direct sunlight for temperature sensitive product offerings.

Store

Store components in original containers in a clean, dry location. Ensure temperature or moisture sensitive components are stored in a tempered location.

Contractor to provide temporary protective covers on all installed finished surfaces. Protection is required to guard against both surface abrasions as well as overloading of horizontal deck components by construction traffic.

Movement $\pm$ 50%

Application	System	W	H1	H2	S	B	Movement +/-		L
		Joint Width	Frame Height 1	Height 2	Sightline	Blockout	Horizontal	Vertical	Load
		mm	mm	mm	mm	mm	mm	mm	Kn
Wall/Wall Ceiling/ Ceiling	i720-50	50	49	*	50	*	25	25	*
	i720-75	75	49	*	75	*	38	38	*
	i720-100	100	49	*	100	*	50	50	*
	i720-125	125	49	*	125	*	63	63	*
	i720-150	150	49	*	150	*	75	75	*
Wall/Corner Wall/Ceiling	i720-C-50	50	49	*	50	*	25	25	*
	i720-C-75	75	49	*	75	*	38	38	*
	i720-C-100	100	49	*	100	*	50	50	*
	i720-C-125	125	49	*	125	*	63	63	*
	i720-C-150	150	49	*	150	*	75	75	*

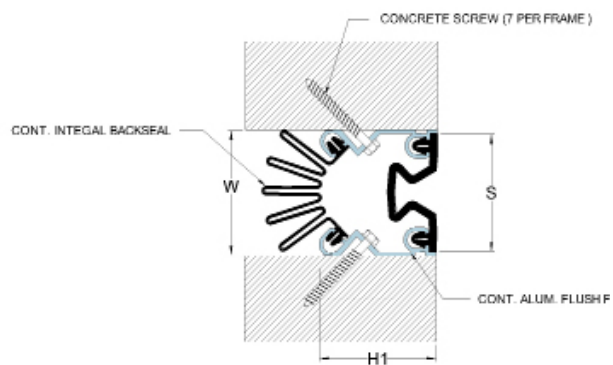
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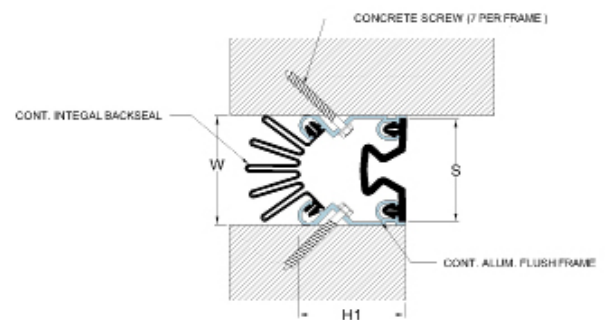
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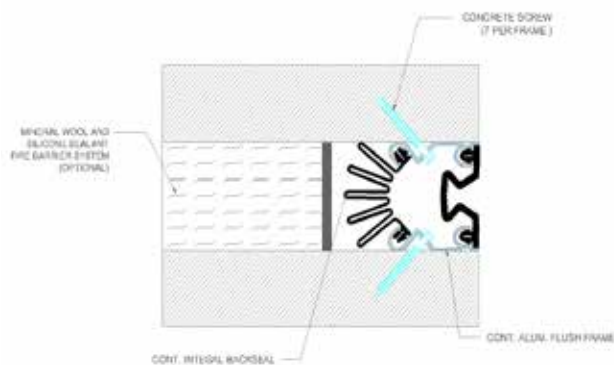
Series i720



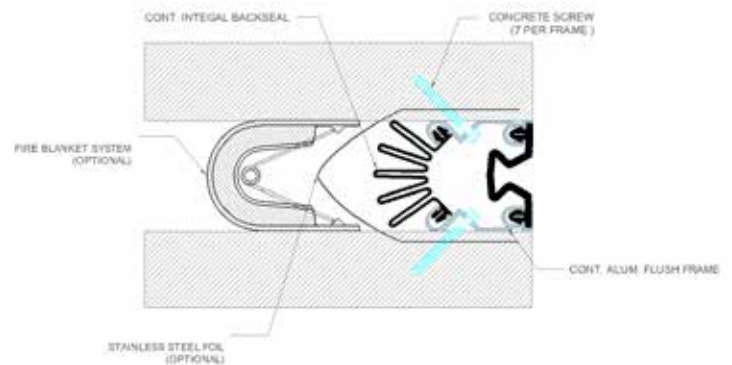
Series i720 - C



Series i720 - Mineral Wool & Sealant Fire Barrier Options



Series i720 - FireStop S30 Options



Technical Data Sheet - January 2025, Version 1.2.2

