

i120[®]

Description

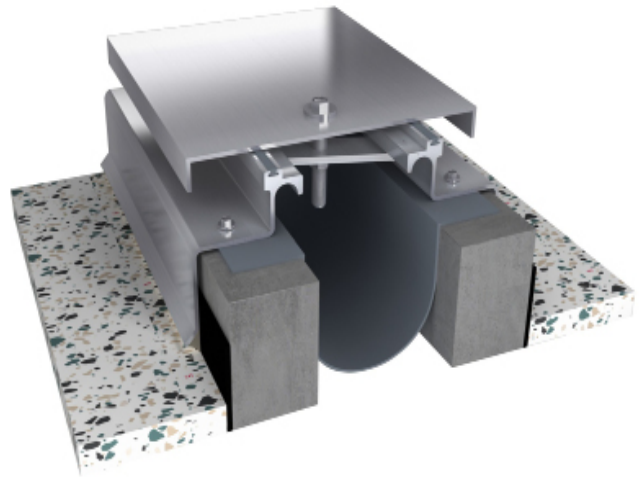
The **i120** roof expansion joint system accommodates multi-directional seismic movement and is installed with a 2x up stand mount.

Key Features

- **Install Condition:** Roof/Roof, Roof/Wall .
- **Joint width:** 50-250mm.
- Optional fire rated.
- Seamlessly integrates with coordinating Wall system.
- Applicable for existing conditions, additions and new construction .
- 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.

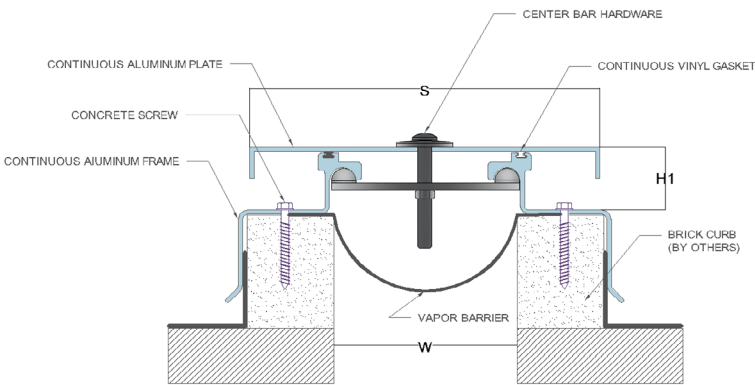
Contractor to provide temporary protective covers on all installed finished surfaces. Protection is required to guard against both surface abrasions as well as overloading of horizontal deck components by construction traffic .

Movement $\pm$ 50%

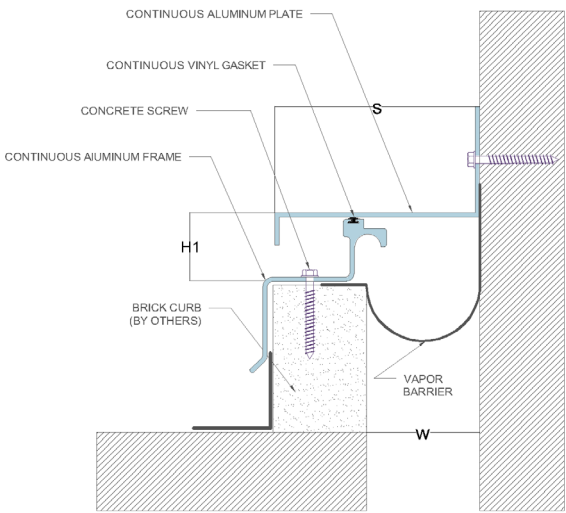
Application	System	W	H1	H2	S	Movement +/-		L
		Joint Width	Frame Height 1	Height 2	Sightline	Horizontal	Vertical	Load
		mm	mm	mm	mm	mm	mm	Kn
Roof to Roof	i120-50	50	32	*	130	25	25	30
	i120-75	75	32	*	160	38	38	30
	i120-100	100	32	*	185	50	50	30
	i120-150	150	32	*	265	75	75	30
	i120-200	200	32	*	345	100	100	30
	i120-250	250	32	*	420	125	125	30
Roof to Wall	i120-C-50	50	32	*	95	25	25	30
	i120-C-75	75	32	*	125	38	38	30
	i120-C-100	100	32	*	165	50	50	30
	i120-C-150	150	32	*	240	75	75	30
	i120-C-200	200	32	*	320	100	100	30
	i120-C-250	250	32	*	395	125	125	30

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Series i120 - Roof to Roof

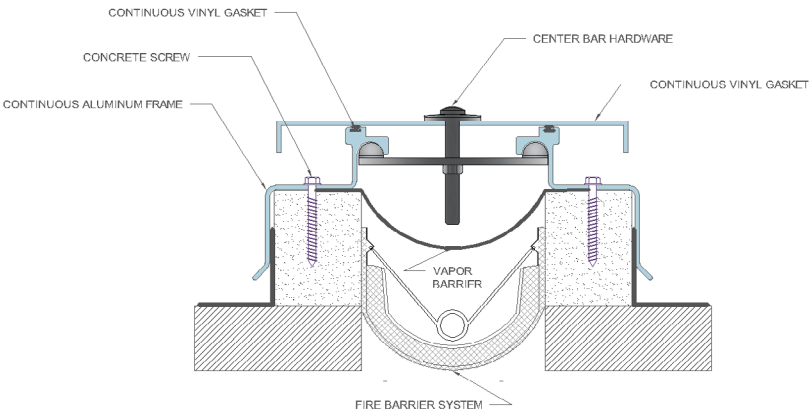


Series i120 C - Roof to Wall



i120®

Series i120- FireStop S30 Options



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Our Previous Submittals & Approvals

 MUST CONSTRUCTION COMPANY	 AIN SHAMS UNIVERSITY THE UNIVERSITY OF THE FUTURE	HA ENGINEERING CONSULTING	
طلب اعتماد مواد Material Approval Request			
26/05/2024 MCC-MUST-MAR-AR-093-00 جامعة مصر للعلوم والتكنولوجيا		التاريخ :- رقم الطلب :- المشروع :-	
☐ Other / اُخري	☐ As Built Dwg	☒ مواصفات فنية Specs	☐ رسومات تشغيل work shop
الشركة / المورد ICHEM	المرفقات : عينة + DATA SHEET	ميكانيكا ☐	كهرباء ☐
		معمارى ☒	إنشائى ☐
طلب اعتماد عينات فواصل شركة ICHEM الشركة : ICHEM			نوع المستند نوعية الاعمال
الموضوع			
نتيجة الفحص	الوصف / البيان	م	
	(B) 1424 (LAND SCABE)	1	
	(B) 1870 (فاصل الحوائط + الاسقف والجراجات)	2	
	(B) IFLEX CSW (فاصل الجراجات)	3	
	(B) 1120 (فصل اسطح)	4	
		5	
MUST CONSTRUCTION COMPANY			
مدير المشروع / المقاول Project Manager		المهندس الجودة / المقاول Quality Engineer	
الاسم/Name : م / احسان فؤاد التوقيع/Signature :		الاسم/Name : التوقيع/Signature :	
نتيجة الفحص / Result			
التقييم / Evaluation		تاريخ الاستلام / Date : Receiver :	
مرفوض / Rejected D ☐	يعاد التقديم / Resubmit C ☐	معتمد بشروط / Approved as noted B ☐	معتمد / Approved A ☐
القرار و التوصيات / Recommendation:			
لقد تم فحص العينات المرسلة من قبل المختبر المعتمد في جامعة مصر للعلوم والتكنولوجيا والنتيجة هي كما يلي : 1- فاصل الحوائط + الاسقف والجراجات : (B) 1870 2- فاصل الجراجات : (B) IFLEX CSW 3- فصل اسطح : (B) 1120 4- LAND SCABE : (B) 1424			
مدير المشروع / المقاول : م / احسان فؤاد التوقيع : التاريخ : 26/05/2024			
مدير المشروع / المقاول : م / احسان فؤاد التوقيع : التاريخ : 26/05/2024			
مدير المشروع / المقاول : م / احسان فؤاد التوقيع : التاريخ : 26/05/2024			

LMD°		LMS CONSTRUCTION		360 Project		HILL International	
MATERIAL SUBMITTAL FORM - (MAR)							
Contract No: PEG - 1156				Package No.: CP01			
TO: Eng. Mohamed Shehata Project Manager, Hill International				SUBMITTAL NO.: PEG-1156-CP01-CN-LS-MAR-0354			
FROM: ENG. Mohamed sherif Project manager LMS Construction				REVISION NO.: Rev. 00			
TITLE: Expansion Joints (STC)				SUBMISSION DATE: 26/02/2024			
C/REF.:							
MATERIAL SUBMISSION DESCRIPTION							
Discipline: Architecture							
Description of Material: Construction Joints							
Manufacturer (Name & Address): STC							
Specification:							
Supplier / Local Agent: STC							
BOQ Ref:							
Description of Attachments:							
• Area of application • Technical data sheet i320-50(Floor to Floor) • Technical data sheet for i840-50(Floor to Floor) Heavy duty • Technical data sheet for i870-50(Wall to Wall)- Interior & Exterior • Technical data sheet for i320-C-50(Floor to Wall) • Technical data sheet for i120-C-50(Roof to wall) • Technical data sheet for fire sealant • Technical data sheet for backing rod. • Technical data sheet for non-fire sealant • Technical data sheet for vapor barrier • Previous approvals for I chem profiles							
Description of Samples: N/A							
Specification Comparison Sheet:							
Comparison in case of Alternative Submittal:							
Prepared by: Ramiz Mikhael		for Mohamed sherif		Mohamed sherif		Signed by Sender	
Designation: Department		Signed by Sender		Project manager		Signed by Sender	
Hill Receive:		Consultant Receive:		Returned From Consultant:		Contractor Receive:	

Document Control & Archiving Procedures
Project

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Doc./Form No: PEG-1156-PP-02-06-FM Rev
Revision Date: February-20

i120 Submittal - January 2025, Version 1.2.2

