



i840[®] Submittal



Floor Expansion Joint Covers

i840[®]



Product Guide



Description

The i840[®] floor expansion joint system is designed for uneven slab construction.

Key Features

- **Install Condition:** Floor/Floor, Floor/Wall.
- **Joint width:** 50-200mm.
- Optional fire rated.
- Seamlessly integrates with coordinating Wall system.
- Anti-slip surface serrations.
- 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 ± 50%

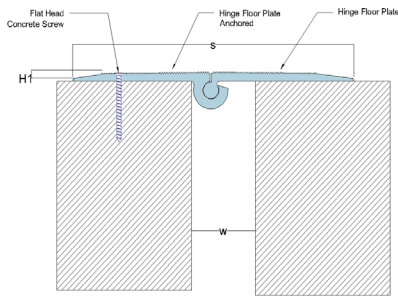
Application	System	W	H1	H2	S	B	Movement +/-		L
		Joint Width	Frame Height 1	Height 2	Sightline	Blockout	Horizontal	Vertical	Load
		mm	mm	mm	mm	mm	mm	mm	Kn
Floor to Floor	i840-50	50	5	*	175	*	±25	+10 / -51	50
	i840-100	100	5	*	265	*	±50	+10 / -51	50
	i840-150	150	5	*	327	*	±75	+13 / -71	45
	i840-200	200	11	*	446	*	±100	+25 / -64	45
Floor to Wall	i840-C-50	50	5	*	175	*	±25	+10 / -51	50
	i840-C-100	100	5	*	265	*	±50	+10 / -51	50
	i840-C-150	150	5	*	330	*	±75	+13 / -71	45
	i840-C-200	200	11	*	450	*	±100	+25 / -64	45

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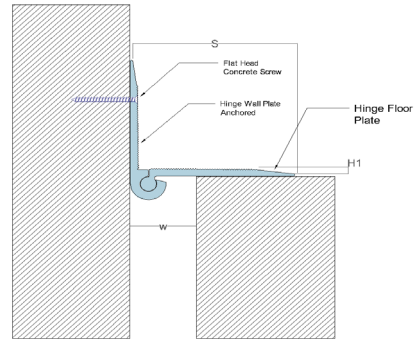
i840[®]



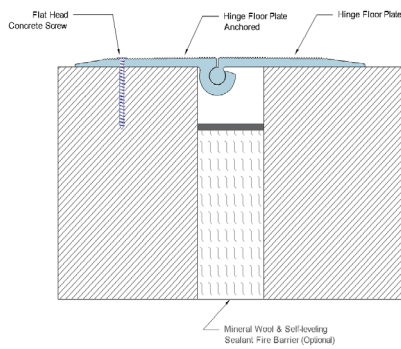
Series i840 - Floor to Floor



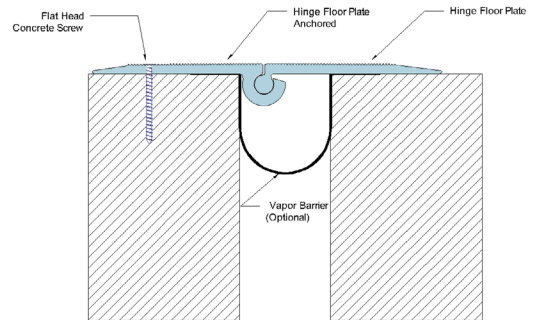
Series i840 C - Floor to Wall



Series i840 - Mineral Wool & Sealant Fire Barrier Options



Series i840 - iFlex PVC Options



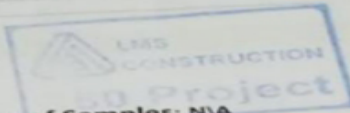
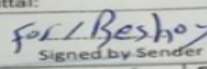
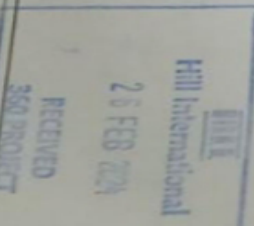
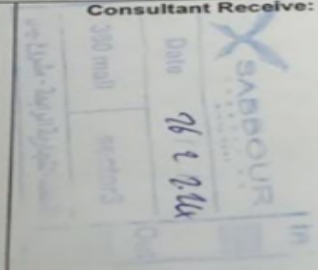
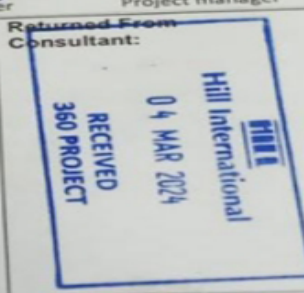
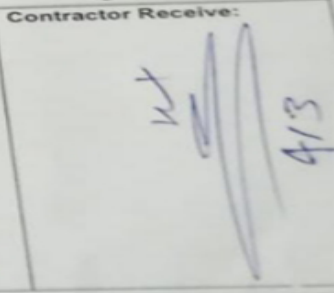
Floor to Floor
Floor to Wall

Floor Expansion Joint Covers

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Our Previous Submittals & Approvals

LMD^o	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		Supplier / Local Agent: STC	
Manufacturer (Name & Address): STC		BOQ Ref:	
Specification:			
Description of Attachments:			
<ul style="list-style-type: none"> • 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	 Signed by Sender		Mohamed sherif Project manager
Designation: Department			Signed by Sender
Hill Receive:	Consultant Receive:	Returned From Consultant:	Contractor Receive:
			
Document Control & Archiving Procedures		Page 1 of 13	
Project		Doc./Form No: PEG-1156-PP-02-06-FM Rev Revision Date: February-20	

طلب اعتماد					
SUBMITTAL FORM					
تطوير مسور مجري العيون E2242			المشروع:		
هينه المجتمعات العمرانية			رقم المشروع:		
مكتب كوزموس للاستشارات الهندسية			المالك:		
شركة ريدكون للتعمير			الاستشاري:		
شركة ريدكون للتعمير			مقاول التنفيذ:		
<input type="checkbox"/> اخرى <input type="checkbox"/> كهرباء <input type="checkbox"/> HVAC <input type="checkbox"/> ميكانيكا <input checked="" type="checkbox"/> معماري <input type="checkbox"/> مناسف			نوع الاعتماد المقدم:		
R00		الاصدار		RED-SUB-ARCH-546	
		4/Mar/2024		رقم الطلب	
				التاريخ	
<input type="checkbox"/> نتائج		<input type="checkbox"/> شهادات		<input type="checkbox"/> Prequalifications	
<input type="checkbox"/> ملف بيانات		<input type="checkbox"/> شهادات		<input type="checkbox"/> Prequalifications	
اعتماد عينات فواصل من شركة STC i840 (FLOOR TO FLOOR & FLOOR TO WALL) i870 (WALL TO WALL OR CELLING TO CELLING) & (WALL TO CORNER OR WALL TO CELLING)				وصف المادة:	
Egypt				Drawing/Spec/BOQ Rev	
STC				رد الصلح	
				المنح	
				مقدم من (المقاول التنفيذي)	
التاريخ		المسمى الوظيفي		الاسم	
4-Mar-2024		مدير المكتب الفني		/ مصطفى مجدي	
ملاحظات الاستشاري:					
لا طعن في اعتمادنا من حيث المبدأ وبما يتوافق مع المواصفات المتبعة!					
<input type="checkbox"/> معتمد		<input checked="" type="checkbox"/> معتمد مع ملاحظات		<input type="checkbox"/> معتمد مع ملاحظات	
<input type="checkbox"/> معتمد		<input type="checkbox"/> معتمد مع ملاحظات		<input type="checkbox"/> معتمد مع ملاحظات	
اعتماد الاستشاري:					
التاريخ		المسمى الوظيفي		الاسم	
.٢٠٢٤/٢/١٠		مهندس عمارة		منارة	
استلام المقبول					
التاريخ		المسمى الوظيفي		الاسم	

RC MEDCON		COSMOS E		طلب استلام رقم	
R00		RED-IR-ARCH-2489		المشروع:	
				رقم المشروع: E2242 المدة: الاستد: عربي مغاير التلقين: بر جاه التكرم بمعاينة واستلام الأعمال الاتي ذكرها تمهيدا لمتابعة الأعمال:	
أخرى	IT	مساحة	HVAC	كهرباء	ميكانيكا
نوع العمل:					
رقم العياني:					
تفاصيل الأعمال:					
تسليم اعمال تركيب حبة (فاصل 1840 الى 1870) مغنى بين PIC3 - PIC4 شركة المتخصص كما بالمعرق					
مسئول الجودة:					
م / احمد العربي		التاريخ		7-Jul-24	
ملاحظات المهندس الاستشاري					
1- تسليم نظام الرفع بشكل صحيح مع التسليم مع اعداد الالات في الموقع 2- حصة ضبط الارتفاع و نظام الارتفاع في الموقع 3- معايرة نظام الرفع في الموقع 4- تسليم نظام الرفع بشكل صحيح مع التسليم مع اعداد الالات في الموقع					
RECEIVED		08 JUL 2024		<input checked="" type="checkbox"/> مقبول مع ملاحظات ويمكن العمل ان يسهر بناء على الملاحظات <input type="checkbox"/> الطلب مرفوض وبعد التقديم مرة اخرى	
مهندس الاستشاري		مهندس الجودة		مسئول المساحة	
					



Purchase Order
Enova Egypt

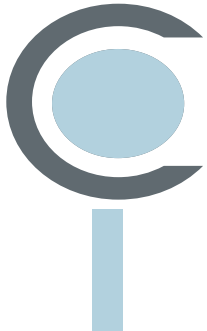
Page No. 1 / 1

Supplier Address		LPO Reference	
Name	specialist for trading and contracting	LPO No.	POS06724
Supplier Code	AP0783	LPO Released Date	22-Jul-24
Supplier TRN No.	554-997-657	Project Code	1014
PO Address	Al-Khosos, Al-Khaleej Al-Masry Street, Al-Khanka C ; enter, Qalyubia Governorate ; ; Egypt	Project Name	Almaza Mall
Phone No.		Activity / Evo ID	FMP6 / P-EGY1014-00227
Attn:	mostafa saeed	Contract Start Date	02-Jul-24
		Contract End Date	09-Jul-24

LPO Reference number must be mentioned on the invoice

Item No	Description	Qty	UOM	Unit Price	Amount	VAT Amt	Total Amt
P6-SSC0112	Supply and install the IB40-100(Floor to Floor) fo SS/Civil/Construction Construction works SS/Civil/Construction Construction works	128	NOS	2,300.00	295,182.00	41,325.48	336,507.48
TOTAL		128.34			295,182.00	41,325.48	336,507.48

i840 Submittal - January 2024, Version 1.1.5



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Email : info@iChemeg.com

