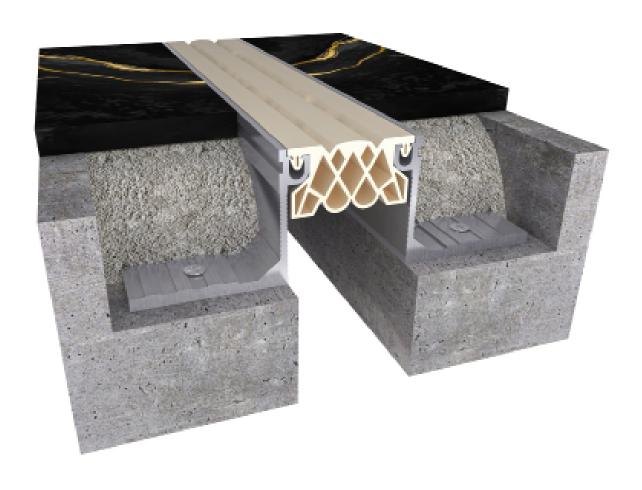


# i424<sup>®</sup> Submittal



i424®



















The **i424**® floor expansion joint system is pan system Designed for generous thermal and seismic movement requirements.

#### **Key Features**

- Install Condition: Floor/Floor, Floor/Wall.
- Joint width: 50-300mm.
- Optional fire rated.
- Seamlessly integrates with coordinating Wall system.
- Anti-slip surface serrations.
- Applicable for existing conditions, additions and new construction.
- System can be modified to meet any movement.
- •Mill finish aluminum.

#### **Materials**

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



#### **Application Instructions**

**Installaion:** 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.

# i424<sup>®</sup>



**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 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.



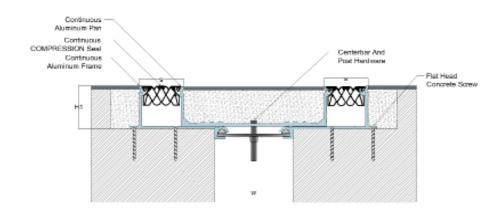
## Movement ± 50%

		w	W H1 H2 S B M		Movem	Movement +/-			
Application	System	Joint Width	Frame Height 1	Height 2	Sightline	Blockout	Horizontal	Vertical	Load
		mm	mm	mm	mm	mm	mm	mm	Kn
Floor to Floor	i424-50	50	60	*	55	155	25	25	45
	i424-75	75	60	*	80	155	37.5	7.35	45
	i424-100	100	60	*	110	155	50	50	45
	i424-150	150	60	*	160	155	75	75	45
	i424-200	200	60	*	210	155	100	100	45
	i424-250	250	60	*	260	155	125	125	45
	i424-300	300	60	*	260	155	150	150	45
Floor to Wall	i424-C-50	50	60	*	55	155	25	25	45
	i424-C-75	75	60	*	80	155	37.5	37.5	45
	i424-C-100	100	60	*	110	155	50	50	45
	i424-C-150	150	60	*	160	155	75	75	45
	i424-C-200	200	60	*	210	155	100	100	45
	i424-C-250	250	60	*	260	155	125	125	45
	i424-C-300	300	60	*	310	155	150	150	45

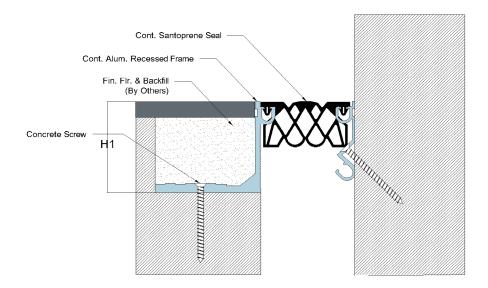
i424®



### Series i424-100 Floor to Floor



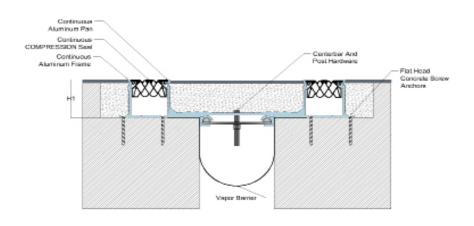
#### Series i424-c-50 - Floor to Wall



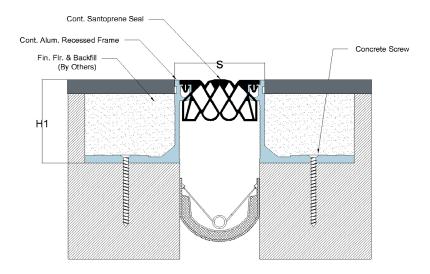
**i424**<sup>®</sup>



# Series i424-100 iFlex PVC Options



## Series i424-50 FireStop S30 Options



i424®



# Our Previous Submittals & Approvals



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ALOREGIA	NS NEERING CONSULTANCY
	n i
Project Name : O. Wood	BIMITTAL (MS)
January Convest	The state of the s
Project No. : 1223	Package : Comercial Building
Employer : ORASCOM Development	Phase : Landscape
Site Supervision Consultant: NATURE FOR THE	Contractor: RED SEA Construction
Site Supervision Consultant: NATURE FOR ENGINEER	ING CONSULTANCY
RED SEA Construction	B.1
10 : NATURE FOR ENGINEERING CONSULTANCE	CV Submitted Ref. OW MAT and and
Tem : Eng / MOHAMED SHALARY	**************************************
Subject: OBD PACKACE EVEL SUB-	Previous Ref.:
Description: EXPANTION IOINTS / WALL TO	-WALL TO FLORE
COLOR RUBER GRAY- COLOR RUBER BEIGE - FL	COR TO FLOOR - FLOOR TO FLOOR - COVER-
	OUR TO FLOOR METAL)
Specification Reference :Quantity :	
Manufacturer's Details:	Bill of Quantities Reference :
Manufacturer : iChem	Red Sea Construction
Model Number :	Project O - West
Country of Origin:	Date of arrival on site:
	Bill of lading 3
15 JUL 2074	SAM Trust
Action Code Legend:	Technicator
	Authorized Representative C
Production, supply and /or implementation shall proceed only when     Regarding action code C.	(C) Revise and Resubmit (D) Rejected
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i424 Submittal - November 2024, Version 1.1.6

: 22 El-Shaheed Mohamed Abd El-Hadi Street, Nasr City, Cairo : www.iChemEg.com : info@ichemeg.com Office

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