



iFlex BR[®] Submittal



iFlex BR[®]



Description

iFlex BR[®] Foam Backer Rod Closed Cell is manufactured from closed cell, low density, polyethylene foam. **iFlex BR[®]** Foam Backer Rod Closed Cell has excellent compression and recovery properties, is available in various sizes and lengths. The round profile assists in providing the correct joint sealant profile allowing optimum movement capability.

Key Features

- Easy to use.
- Extremely flexible.
- Excellent recovery after compression.
- Water resistant.
- Closed cell.
- Compatible with cold applied sealants (polyurethane, silicone)
- Assists with sealant profile.
- Assists with joint design.

Uses

iFlex BR[®] Foam Backer Rod is especially recommended for use in :

- Joint sealant support for concrete flooring.
- Expansion joints in concrete structures.
- Water treatment plants.
- Potable water structures (Tanks, Canals, reservoirs etc.).



Technical Properties

Color	White
Density	0.025 ~ 0.040 gm / cm ³
Average Cell Size	0.26 ~ 0.33
Tensile Strength	2.2 – 3.4 kg / cm ²
Elongation	130 ~ 140 %
Permanent Compression set	5.0 %
Dielectric Constant	1.05 ~ 1.58 E (kHz)
Sound properties	Good
Toxic character	Non toxic.
Chemicals Resistance	Excellent
Thermal Conductivity	0.027 ~ 0.040 hr °C
Water Absorption	0.03 below mg / cm ²
Combustion Rate	6.40 ~ 10.0 cm / min
Heat Distortion temperature	70 ~ 80°C
Repeated Compression set:	2.2 – 2.40 %

iFlex BR[®]

Application Instructions

- When forming expansion joints with **iFlex BR[®]** Foam Backer Rod on site, simply insert the back rod into joint
- the joint width must be less 5mm than Back Rod diameter
- Make sure that the sealant depth is adjusted in all joint length.
- As elastomeric sealant will not bond to **iFlex BR[®]** Foam Backer Rod the additional need for bond-breaker strips is not necessary.

Packaging

iFlex BR[®] Foam Backer Rod is supplied as follows:

Size	Packing
10mm	100m Roll
15mm	100m Roll
20mm	100m Roll
25mm	100m Roll
30mm	100m Roll
40mm	2m Rod
50mm	2m Rod

Shelf Life

Shelf life is up to 60 months when stored as per recommendations.

Store

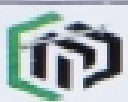


Store components in original containers in a clean, dry location. Ensure temperature or moisture sensitive components are stored in a tempered location. The recommended storage temperature is from -5 °C to *30 °C.

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 .

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Our Previous Submittals & Approvals

 MUST CONSTRUCTION COMPANY	 HA	إثن إلى المشرقة الهندسية Hassan Hassan				
طلب اعتماد مواد Material Approval Request						
التاريخ :- 03/06/2024 رقم الطلب :- MCC-MUST-MAR-AR-097-00 مكتب :- جامعة مصر للتطوير والتكنولوجيا						
اخطري / Other <input checked="" type="checkbox"/>	<input type="checkbox"/> As Built Dwg	<input checked="" type="checkbox"/> مواصفات قياسية Specs	<input type="checkbox"/> رسومات تشغيل work shop	نوع المعتمد		
الشركة / الشركة ICHEM	المرفقات / DATA SHEET + عينة	ميكانيكا <input type="checkbox"/>	كهرباء <input type="checkbox"/>	معماري <input checked="" type="checkbox"/>	إنشائي <input type="checkbox"/>	نوعية الاصل
SR	Material Approval Request :			CODE		
1	Backer Rod (iFlex BR)			B		
2	EpoMortar SF			B		
3	Flexseal STP Seal			B		
4	* مطلوب : تقديم العينات لكل عنصر كالتالي					
5						
MUST CONSTRUCTION COMPANY				Contractor/المقاول		
الاسم/Name : م. احمد محمد السيد التوقيع/Signature :		مدير المشروع/المشروع Project Manager		الاسم/Name : محمد السيد التوقيع/Signature :		
التوقيع/Signature :		مدير المشروع/المشروع Project Manager		التوقيع/Signature :		
نتيجة الفحص / Result						
Evaluation / التقييم				تاريخ الاستلام / Date	المستلم / Receiver	
مرفوض / Rejected <input type="checkbox"/>	بعد التقييم / Resubmit <input type="checkbox"/>	معتمد بشرط / Approved as noted <input type="checkbox"/>	معتمد / Approved <input checked="" type="checkbox"/>	Receive	Receiver	
ملاحظات والتوصيات / Recommendation						
بعد فحص العينات طبقاً لمستند الشركة المتخصص يتأكد من مطابقتها مع المواصفات يمكن الاعتماد على المنتج على ما هو عليه.						
مشاري المشروع / Project Consultant						
الاسم/Name : التوقيع/Signature : التاريخ/Date :		مدير المشروع Project Manager		الاسم/Name : التوقيع/Signature : التاريخ/Date :		
التوقيع/Signature :		مدير المشروع Project Manager		التوقيع/Signature :		

ROCK CAPITAL 1

ROCK CAPITAL ONE PROJECT

ELBATAL
DEVELOPMENTS
Residential & Commercial Projects

MATERIAL SUBMITTAL FORM

Project No:	Work Package:
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ppTITLE: Expansion Joint	
EB NO: RC1-0-AR-FA-SC-MAR-114034	REVISION NO: A
FROM: STC	DATE: 15-OCT-24
TO/ ATTN: ELBATAL	PAGES:
MATERIAL SUBMISSION DESCRIPTION	
Discipline: iFlex BR / Flex Seal STP	
Description of Material	iFlex BR (30&50) mm / Flex Seal STP Wall to Wall "Basement & Roofing systems" Respectively.
Specification / Contract Document Reference	2.8 / 2.2 Respectively.
Manufacturer (Name & Address)	STC Naser City, Cairo
Supplier / Local Agent	Ichem
Description of Attachments	Technical Date sheet for iFlex BR / Flex Seal STP.
Description of Samples	iFlex BR (30&50) mm / Flex Seal STP Wall to Wall "Basement & Roofing systems" Respectively.
Specification Comparison Sheet	N/A
Comparison in case of Alternative Submittal	N/A

Author	Checked	Approved
<i>[Signature]</i>		

PROJECT MANAGEMENT CONSULTANT'S REVIEW

Name: _____ Signature: _____ Date: _____

CLIENT'S COMMENTS (optional)

Sealant is accepted @ Basement expansion joints with size 3cm only, while 5cm an alternative is requested for Roof, subject to wall to wall & column neck details submission.





Name: _____ Signature: *Christine Michael* Date: *13/11/2024*

PMC DT

A - Proceed B- Proceed with comments C - Do not proceed, Revise & Resubmit D- Rejected E- Information Only

Date Received: _____ Date Returned: _____

**Please submit warranty for all joints*

MTRProc.001	مشروع : العمارة :	طلب اعتماد مواد / Material Submittal			
عدد البند 1	اعتماد نظام حضان الفواصل الانشائية KEM FLEX 1 IFLEX BR 1830 COVER				
RE-SUBMITTAL <input type="checkbox"/>	NEW SUBMITTAL <input checked="" type="checkbox"/>	رقم الطلب 21/4/2024			
G-General <input type="checkbox"/>	M-Mech <input type="checkbox"/>	E-Elect <input type="checkbox"/>	A-Arch <input checked="" type="checkbox"/>	C-Civil <input type="checkbox"/>	
Drawings Specification B.O.Q		Sample catalogue Description		Attachment رابط / رقم / تاريخ	
ملاحظات وتوصيات الاستشاري					
<p>يطلب توفير نماذج استنساخ KEM FLEX 1 للفواصل المصنوعة بالاندونيسيا مطلوب توفير نماذج استنساخ من شركات مصنعة بالمسرح.</p>					
<input checked="" type="checkbox"/> A يُقبل مع ملاحظات Approved As Noted		<input checked="" type="checkbox"/> A يُقبل Approved			
<input type="checkbox"/> D غير يقبل Rejected		<input type="checkbox"/> C يُقبل بعد تلبية الملاحظات وإعادة تقديم Resubmit and Resubmit			
اسم العميل	اسم الاستشاري	اسم العميل	اسم الاستشاري	اسم العميل	اسم الاستشاري

iFlex BR Submittal - November 2024, Version 1.1.6



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