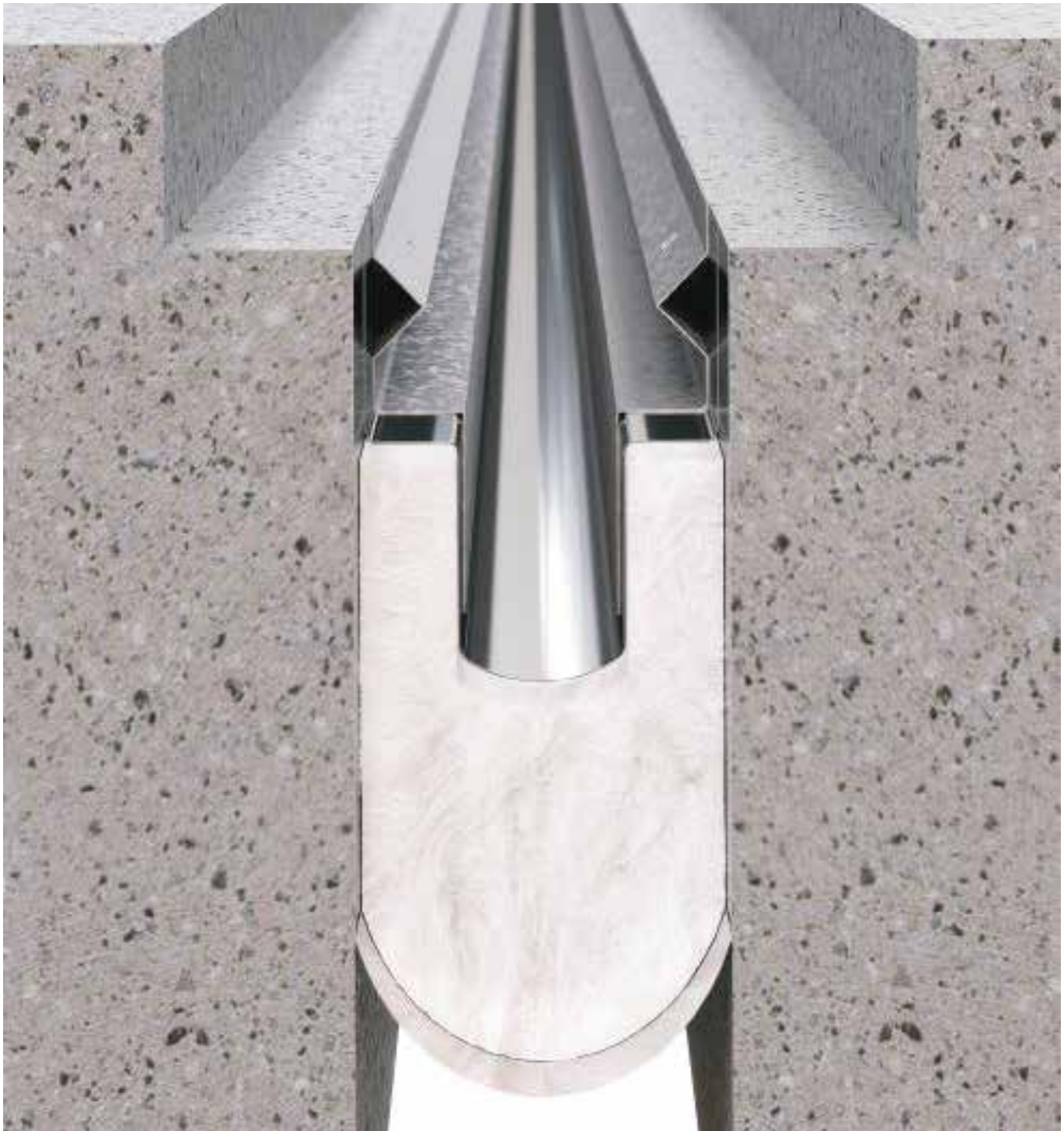


NEXUS

Fire Barrier System

NEXUS FIRE BARRIER SYSTEM



FEATURES

Movement

High movement capacity: Min 50%
 ASTM E-1399
 UL - 2079

Material

“Sandwich” assembly of layers of stainless steel foil and insulation contained in a stainless steel - Standard barrier allows up to 50% lateral shear.

SYSTEM OP ONS

Gap width(s)	50, 100, 150, 200, 250, 300, 350, 400mm
Height(s)	Not applicable
Metal type(s)	Stainless Steel foil
Colour(s)	Stainless Steel, Standard Colour
Fire barrier	UL 2079: 120 minutes
Accessories	Low Profile Flange, SurfaceMount Flange

FIRE BARRIER SYSTEM

Floor to Floor | Wall toWall

50 - 400 mm (2" - 16 ") Expansion Gaps



USE

Fire Barrier for vertical and horizontal expansion joint gaps with minimum movement capacity 50% of the joint width

MATERIAL

Protective lamination made of 0.05mm stainless steel
AISI 304 with melting point 1400°C

CORE

Fire blanket 128kg/M3 density.

PRODUCT LENGTH

Standard production length will be 7meter
Other length possible upon request

NEXUS FIRE BARRIER NFB

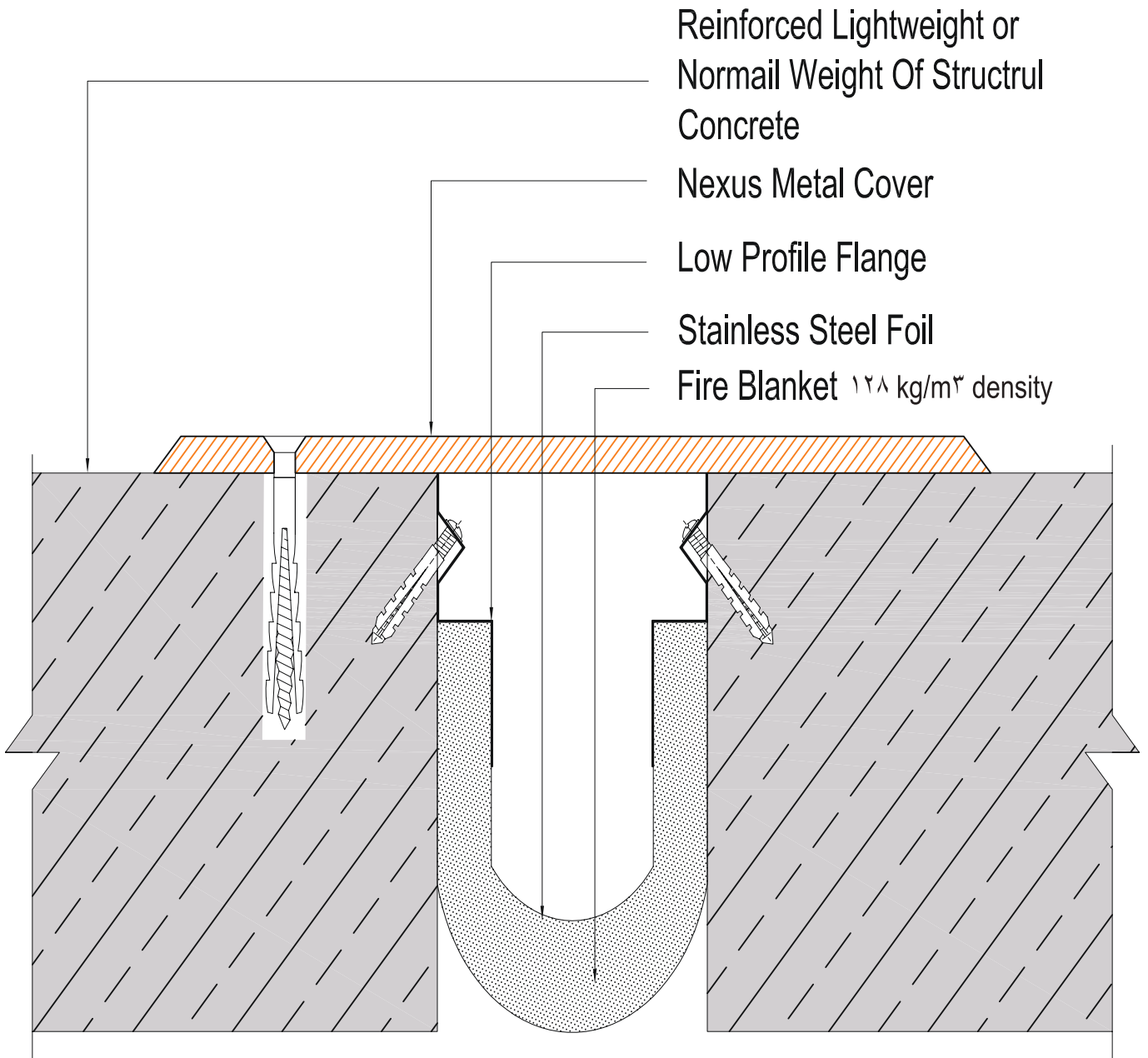
- A01- Floor to Floor
- A02 - Floor to Wall
- A03 - Wall to Wall
- A04 - Wall Corner

APPLICATIONS

Designed for Floor&Wall Gaps
For 2 hours Fire rated requirement
Suitable for gap sizes from 400 - 50mm



NEXUS FIRE BARRIER NFB





Fire Barrier Selection Criteria

Load Rating

Product Details

Joint Location	Gap Width B(mm)	Movement Capacity (mm)		Product Dimension L.W.H			Product Dimension Weight kg/LM		Remarks
		±							
	Code	Gap Size	Movement Capacity						
Floor - Floor	%50 ±	50							NFB - 2FF
	%50 ±	100							NFB - 4FF
	150	± %50							NFB - 6FF
	200	± %50	-	-	-	-	-	-	NFB - 8FF
	250	± %50							NFB - 10FF
	300	± %50							NFB - 12FF
	350	± %50							NFB - 14FF
	%50 ±	400							NFB - 16FF

2 Hour Fire Rated (120 mins)										
Floor - Wall	%50 ±	50								NFB - 2FW
	%50 ±	100								NFB - 4FW
	150	± %50								NFB - 5FW
	200	± %50	-	-	-	-	-	-	-	NFB - 6FW
	250	± %50								NFB - 8FW
	300	± %50								NFB - 10FW
	350	± %50								NFB - 12FW
	400	± %50								NFB - 16FW

2 Hour Fire Rated (120 mins)										
Wall - Wall	%50 ±	50								NFB - 2WW
	%50 ±	100								NFB - 4WW
	150	± %50								NFB - 6WW
	200	± %50	-	-	-	-	-	-	-	NFB - 8WW
	250	± %50								NFB - 10WW
	300	± %50								NFB - 12WW
	350	± %50								NFB - 14WW
	400	± %50								NFB - 16WW

2 Hour Fire Rated (120 mins)										
Wall - Corner	%50 ±	50								NFB - 2WC
	%50 ±	100								NFB - 4WC
	150	± %50								NFB - 6WC
	200	± %50	-	-	-	-	-	-	-	NFB - 8WC
	250	± %50								NFB - 10WC
	300	± %50								NFB - 12WC
	350	± %50								NFB - 14WC
	400	± %50								NFB - 16WC



Classified
In Progress 2hrs Fire Rated
Project Number: 4789309812



July 29, 2020

Sigma Factory for Steel Product
Saih Shuaib 3, 4 R/A
Dubai Industrial City
Opposite DEWA Substation
Dubai, UAE

Reference: R40146 Project Number: 4789309812 Page(s): 1
Subject: UL testing and certification for 100mm-400mm Mechanical Joints assemblies as per UL 2079

To Whom it May Concern,

Project 4789309812, File R40146 was initiated for the investigation of Sigma Factory for Steel Products Mechanical Joints by means of Fire Endurance and Hose Stream Testing. Testing is scheduled to be conducted in 2020, in accordance with the following Standard(s):

Standard	Title	Edition	Revision Date
UL 2079	STANDARD FOR TESTS FOR FIRE RESISTANCE OF BUILDING JOINT SYSTEMS	Fifth	August 26, 2015

This letter is to confirm that all testing and certification for this investigation, as mentioned above, will be completed by UL LLC at UL LLC testing laboratories in 2020.

Authorities Having Jurisdiction (AHJ) should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices and materials.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC or any authorized licensee of UL.

Should you have any questions or comments concerning the above, please feel free to contact me.

Very truly yours,

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