

MIGUFIRE FRX

FRX 20 / FRX 30 / FRX 40

TESTED FIRESTOP SYSTEMS (EI 120) FOR MOVEMENT JOINTS IN SOLID CONSTRUCTION



- **INTUMESCENT JOINT SEALING ELEMENT**
Classified fire resistance EI 120 for the fire-resistant sealing of movement joints in walls and floors.
- **IMMEDIATELY SMOKE-TIGHT AND SOUND INSULATING**
Elastic and compressible. Simply compressed into the joint without additional fixing.
- **EFFECTIVE FIRE BARRIER**
The external **Flaton-flex EN** intumescent layers expand in the event of fire, forming an effective barrier against fire, heat and smoke.
- **FOR SOLID CONSTRUCTION**
Tested for wall joints, floor joints and wall-to-floor joints in solid construction with a minimum structural element thickness of **150 mm**.

MIGUFIRE FRX is an intumescent joint sealing element designed for the fire-resistant sealing of movement joints in walls and floors. FRX 20, FRX 30 and FRX 40 consist of a compressible foam core faced on both sides with layers of the intumescent material **Flaton-flex EN**. In the event of fire, the outer intumescent layers expand and seal the joint, forming an effective barrier against fire, heat and smoke for at least **120 minutes**.

Information on prices and packaging units is available upon request.

MIGUFIRE FRX RANGE

System	Nominal Joint Width [mm]	Movement Capability [mm]	Element Dimensions (L × W × Depth) [mm]	Minimum Wall/Floor Thickness [mm]
MIGUFIRE FRX 20	10 - 20	+ 10	1000 x 32 x 60	150
MIGUFIRE FRX 30	30	+ 10	1000 x 48 x 60	150
MIGUFIRE FRX 40	40	+10	1000 x 58 x 60	150

TESTED JOINT CONFIGURATIONS / CLASSIFICATIONS

Installation Configuration	Profile	Nominal Joint Width	Movement Capability	Classification
Wall joint (B)	FRX 20	20 -> 30 mm	+10 mm lateral	EI 120-V-M100-F-W 20
Wall joint (B)	FRX 30	30 -> 40 mm	+10 mm lateral	EI 120-V-M100-F-W 30
Wall joint (B)	FRX 40	40 -> 50 mm	+10 mm lateral	EI 120-V-M66-F-W 40
Floor Joint (A/E)	FRX 20	20 -> 30 mm	+10 mm lateral / 25 mm shear movement	EI 120-H-M136-F-W 20
Floor Joint (A/E)	FRX 30	30 -> 40 mm	+10 mm lateral / 25 mm shear movement	EI 120-H-M136-F-W 30
Floor Joint (A/E)	FRX 40	40 -> 50 mm	+10 mm lateral / 25 mm shear movement	EI 120-H-M86-F-W 40

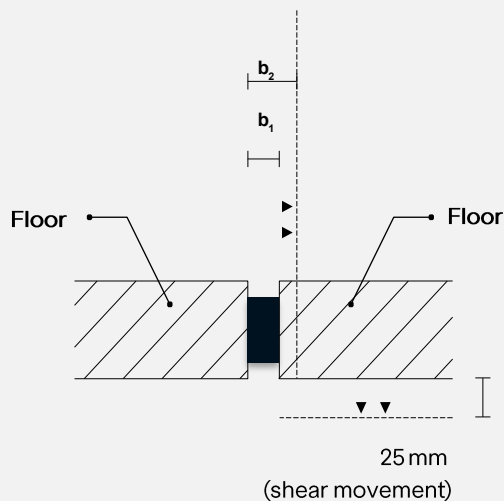
Solid concrete or masonry elements in horizontal and vertical applications: Minimum element thickness: **150 mm**, Density: **650 kg/m³ ± 200 kg/m³**.

Configuration A & E: Joint between solid floor elements

Configuration B: Joint between solid wall elements

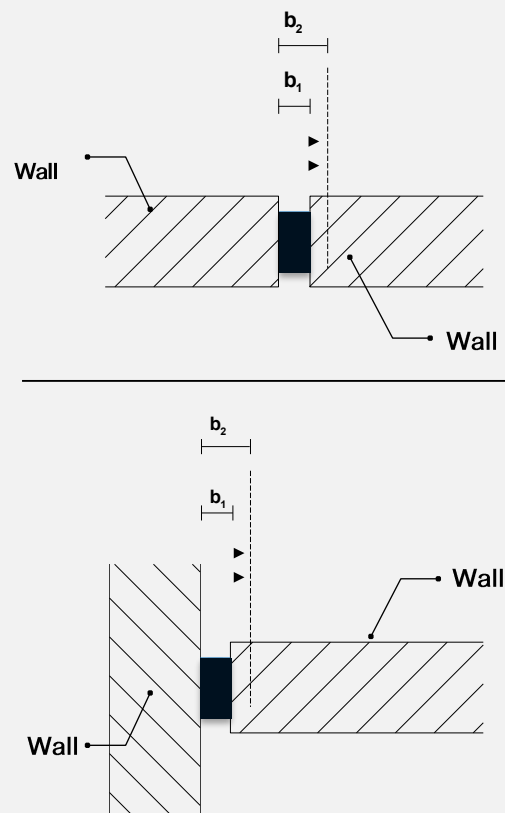
INSTALLATION CONFIGURATIONS ACCORDING TO DIN EN 1366-4

Configuration A: Joint seal in floor construction

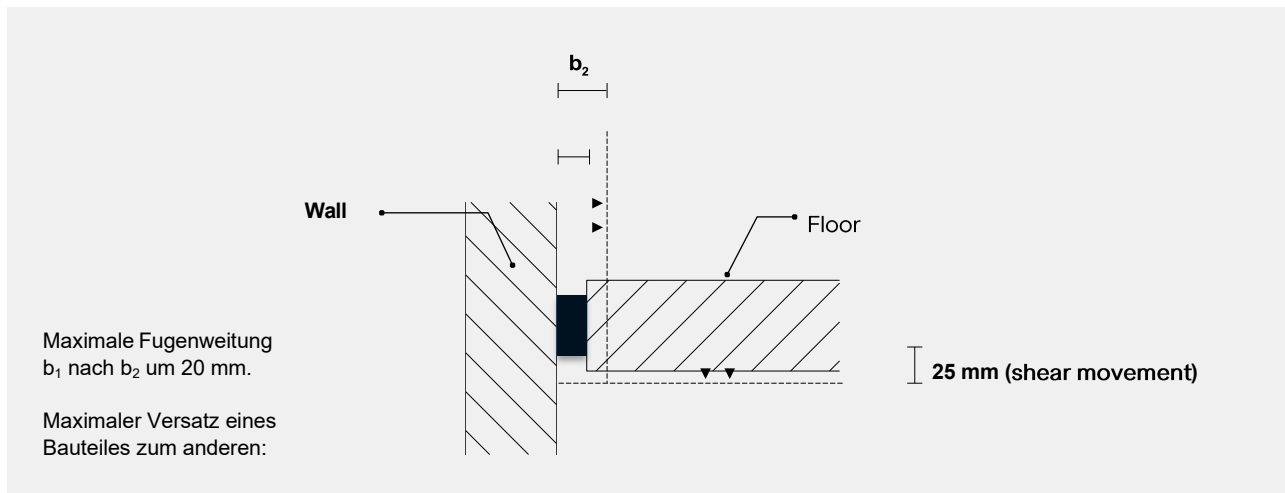


Maximum joint widening from b1 to b2: 20 mm. Maximum relative displacement between one building element and the adjacent element: 25 mm (shear movement).

Configuration B: Vertical joint between walls



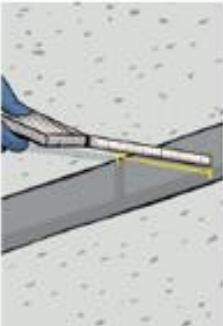
Configuration E: Horizontal joint between floor and wall



MATERIAL PROPERTIES

- Classified as **Reaction to Fire Class C-s1, d0** according to DIN EN 13501-1:2019-05.
- Tested sound insulation performance: **Weighted joint sound reduction index $R_{s,w} = 37.2$ dB** for a 20 mm joint sealed with **MIGUFIRE FRX 30**.
- The intumescent material **Flaton-flex EN** is free from halogens, antimony, silicone and solvents.
- The open-cell foam core provides excellent sound absorption and good thermal insulation properties.
- Does not become brittle at low temperatures and is non-hazardous to water.
- Supplied free of blowing agents and not classified as hazardous under the applicable hazardous substances regulations.

INSTALLATION INSTRUCTIONS

				
Preparation Remove any protruding concrete fins, mortar splashes, foam residues, construction debris or other contaminants from the joint.	Check Joint Dimensions	Installation Compress the firestop joint sealing element and insert it centrally into the joint. Use insertion plates where required.	Butt Joint Installation Install adjacent lengths tightly butt-jointed . No additional fixing is required.	Final Installation Check Verify that the joint sealing element is positioned centrally within the joint.

Classification reports and fire test certificates are available upon request.