

## Fire protection for expansion joints

**AF JOINT** is specifically designed for fire protection of expansion joints. Building structures, including those with fire compartments, need interspaces which can compensate for natural expansion due to temperature changes and load variations. These joints provide the section's fire resistance. If imperfectly made they may compromise the fire compartmentalisation features.

**AF JOINT** is certified with single layer application for sealing fireproof expansion joints (according to UNI EN 1366-4) sized between 30 to 600 mm and wall and floor thickness which start from 150 mm.

**AF JOINT** consists of a highly insulating product coated on both sides with a special treatment that allows the joint to withstand a normalized fire curve temperature for at least 180 minutes (EI 180) according to the UNI EN 1366-4 standard requirements.

### AVAILABLE SIZES AND CHARACTERISTICS

Available sizes:	80x100 x1000 mm 50x100 x1000 mm
Available sizes on request	up to 600x100x1000 mm
Maximum movement	±7.5%
Specific weight:	100 Kg/m <sup>3</sup>
Chemical resistance:	excellent
Resistance to humidity:	excellent
Reaction to fire:	Class A1
Thermal conductivity λD:	0.039 W/mK
Average acoustic absorption αs:	0.73

### APPLICATION METHOD:

1. measure the joint's width;
2. choose and combine one or more **AF JOINTs** according to the joint size (the AF JOINT overall size must be equal to the maximum width that can reach the joint increased by at least 5%.) (Cut **AF JOINT** with a cutter if necessary).
3. insert the **AF JOINT** protection by compressing it;
4. in its expansion phase, AF JOINT stays in place inside the joint;
5. for joints more than 200 mm, smooth the joints with **AF SEAL W** Sealant.

### PACKAGING AND STORAGE

Boxes of 10/20 pieces, 1 m length on pallets.

If the product is stored under standard conditions, it remains unaltered.

### SPECIFICATIONS

Supply and application of the **AF JOINT** fire protection for expansion or structural joints. This is made of mineral fibre; it has a nominal density of 100 kg/m<sup>3</sup> and is covered with the ablative **AF SEAL T** coating. The sizes are 1000x100x50 mm and 1000x100x80 mm. Additional sizes are available on request up to 1000x100x600 mm, for EI 180 protection of wall and floor joints.

### CERTIFICATIONS

Class EI 180 (UNI EN 1366-4)	Gasbeton wall
Class EI 180 (UNI EN 1366-4)	Concrete floor

