

Fire protection for expansion joints subject to movement

AF SEISMIC JOINT is designed and certified to seal expansion joints. It can handle large structural movement in tall buildings or in areas at risk of earthquakes. The mats are easy to install, can be applied to the floor intrados and extrados and secured with metal expansion plugs.

AF SEISMIC JOINT consists of two rock-wool mats treated with an ablative coating. The external layer is covered with a wired aluminium foil and a metal mesh. Once the mat has been applied, a metal sheet/mesh at least 10/10 mm thick must be applied on the side unexposed to the fire. The product guarantees class EI 120 fire resistance.

AVAILABLE SIZES AND CHARACTERISTICS

Appearance: mat covered with an aluminium foil and a metal mesh;
 Available sizes: 3000x1000x60 mm (roll);
 Weight: 7.5 Kg/m²;
 Maximum joint width: 600 mm;
 Maximum movement: $\pm 50\%$ of the nominal width;
 Size of the plate: 300x30x1.5 mm;
 Resistance to fire: EI 120 - H - M050 - B EI 120 - V - M050 - B.

APPLICATION METHOD:

1. measure the joint's width;
2. perform a longitudinal cut of the mat equal to the joint width + 50% + 100 mm;
3. place the mat inside the expansion joint and overlap the edges to the structure (overlap of 50 mm);
4. secure the mat to the structure using the supplied pre-drilled plates with metal expansion plugs (8x60 mm) leaving 20 cm between one plate and another (4 per metre);
5. place the metal sheet/mesh on the unexposed side to fire.

TRANSVERSE JOINTS

1. lift the mesh and aluminium foil of one side of the mat by about 10 cm;
2. remove a 10 cm band of rock wool between the aluminium foil and the glass fabric in the centre of the mat;
3. repeat the operation on the mat on the opposite side;
4. overlap the two mats for the length of the removed rock wool;
5. lower the previously lifted aluminium sheets and mesh and secure them to those beneath using a hook.

PACKAGING AND STORAGE

Mats on pallet

If the product is stored under standard conditions, there is no storage time limit.

SPECIFICATIONS

Supply and application of protection for expansion joints subject to movement with **AF SEISMIC JOINT**, made of rock wool mats containing an ablative treatment and covered with wired aluminium foil and metal mesh. For EI 120 expansion joints up to 600 mm with $\pm 50\%$ movement

CERTIFICATIONS

Class EI 120 (UNI EN 1366-4) Concrete floor
 Class EI 120 (UNI EN 1366-4) Gasbeton wall

