



Firestop **cords**

The firestop cords are part of the Emac®'s family of fire barrier systems. The aim of these cords is to get tightness against flames, hot or flammable gases in expansion joints in case of fire, avoiding the chimney effect between construction elements both horizontal or vertical. These systems have been tested according to European Standards.

General Features

The firestop cords are made of fireproof and root-proof mineral fibers covered with a net of glass fiber.

Reference	Joint width (distance between slabs)	Cord diameter	Packaging
NJCF30	5/8" - 3/4" 16-20 mm	1-3/16" 30 mm	98' 4" roll 30 m roll
NJCF40	3/4" - 1-3/16" 21-30 mm	1-9/16" 40 mm	
NJCF50	1-3/16" - 1-9/16" 31-40 mm	2" 50 mm	82' roll 25 m roll
NJCF60	1-9/16" - 2" 41-50 mm	2-3/8" 60 mm	
NJCF70	2" - 2-3/8" 51-60 mm	2-3/4" 70 mm	65' 6" roll 20 m roll

For higher joint widths, please consult availability and accessories

The firestop cords have a compressibility percentage of 80% and a traction of 20% without losing fire resistance properties.

Applications

Our fire barrier systems (firestop cords) have been designed for:

- For the treatment of horizontal and vertical joints which need protection against fire: floor, wall and ceiling expansion joints, joints between elements in facades, joints between edges of slabs and in prefabricated facades
- In firewalls, technical cuts and neoprene support protections.
- For sealing joints between masonry and slabs or between slabs and glass facades.

The Emac®'s firestop cords are an effective protection for all kind of constructions: hospitals, industrial buildings, offices, residential buildings, hotels, malls, car parks, schools, institutes, train stations, airports, stadiums...

Technical Features and tests

Fire resistance	Non combustibility	A1 class	DIN 4102
	Melting temperature	>1000 °C	DIN 4102/T17
Working temperature		<780°C	DIN 52271
Watertightness		1,4	DIN 52615
Thermal capacity		840 J/kgK	

The Emac®'s firestop cords fulfill the European Standards: EN 13501-2 may 2004 and EN 1366-4 november 2006 + A1 (extension june 2010).

The Emac®'s firestop cords have been classified as EI240 (**240 minutes without failing**) according to the mentioned standards.

The firestop cords are the perfect complement to the Emac®'s expansion joint range.

Installation

The installation is easy, fast and economical.

For expansion joints between 10 and 160 mm width:

1. Clean the place to install the cord
2. Insert the firestop cord with pressure.
3. Once the cord is inserted, you can install a cover plate or expansion joint profile above

For expansion joints larger than 160 mm

1. Install the support pieces in the edge of the expansion joint (each 50 cm) by using fixing screws.
2. Insert the double firestop cord with pressure.
3. Once the cord is inserted, you can install a cover plate or expansion joint profile above.

Technical information

You can find out more information about the technical features of the Emac®'s products by downloading its Technical Files in **www.emac.es**.

If you have any query, please contact our Technical Department in **tecnico@emac.es**