VEDAFEU C© ROPE

"The most extensive range in expansion joints firestop."

FIRE STOP 4HRS
EI 240

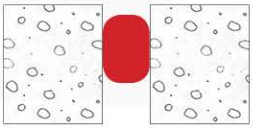
MOVEMENT
+ 20 %

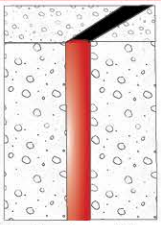
JOINT WIDTH
10 to 200 mm

TESTED CERTIFIED

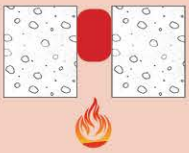
VEDAFEU C© ROPE STRENGTHS

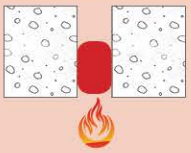
POSITIONS
Tested and certified for horizontal and vertical applications.


Horizontal position

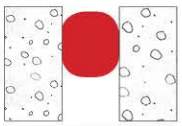

Vertical position

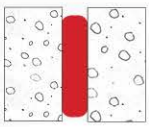
EXPOSURE
Tested and certified not exposed or exposed to fire.


Not exposed to fire

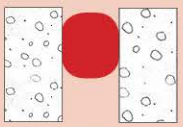

Exposed to fire

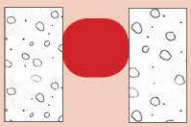
COMPRESSIBILITY
Tested and certified up to **- 80%** compression.


Initial joint


With compression

EXPANSION MOVEMENT
Tested and certified up to **+ 20%** expansion.


Initial joint


With movement

APPLICATIONS
Hospitals, industrial buildings, offices, housing, hotels, malls, carparks, schools, train stations, airports, stadiums...

OFFICIAL CLASSIFICATION

PV n° RS 08-162/A dated 15/12/2010

EI 240 - H - M20 - B - W 10 to 200

PV n° 11-A-441 dated 25/07/2011

EI 240 - V - M20 - B - W 20 to 120

Rope diameter according to initial joint width

with movement (M) + 20% according to mentioned above report.

Initial joint width [mm]	10	20	40	60	80	100	120
Ø rope VEDAFEU C© [mm]	12	30	60	90	120	150	180

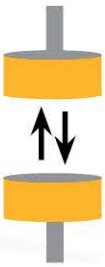
VEDAFEU C© has also been tested and approved with movement of +7,5%.
Others classification reports available upon request : with sealant, with joint cover, exposed to fire, with waterproofing membrane, etc.

CERTIFIED CONFIGURATIONS

VEDAFEU C© PROPERTIES

VEDAFEU C© firestop rope COMPRESSIBILITY tests

Ref.	Test	Load F (kN) and VEDAFEU C© thickness Øc (mm)	Compressibility	Immediate form recovery	After 2 hours form recovery	After 72 hours form recovery
VEDAFEU C© Ø 60	1	F = 4 kN Øc = 16 mm	69 %	83 %	88 %	90 %
	2	F = 50 kN Øc = 8 mm	83%	78 %	84 %	86 %
	3	F = 5 kN Øc = 16 mm	70%	76 %	87 %	91 %
AVERAGE			74%	79 %	86 %	89 %
VEDAFEU C© Ø 100	1	F = 30 kN Øc = 16 mm	81%	55 %	69 %	74 %
	2	F = 30 kN Øc = 17 mm	80%	62 %	69 %	71 %
	3	F = 30 kN Øc = 14 mm	85 %	57 %	62 %	63 %
AVERAGE			82 %	58 %	67 %	69 %
VEDAFEU C© Ø 150	1	F = 100 kN Øc = 19 mm	86 %	54 %	55 %	72 %
	2	F = 100 kN Øc = 17 mm	88 %	56 %	57 %	67 %
	3	F = 100 kN Øc = 17 mm	88 %	68 %	71 %	81 %
AVERAGE			87 %	59 %	61 %	73 %



VEDAFEU C© THERMAL Properties

In accordance with the Thermal Regulation RT 2012

Thermal conductivity at average temperature	Tm	50	100	200	300	400	500	°C	DIN 52612
	-	0.041	0.049	0.073	0.096	0.136	0.144	W/mK	

The thermal value of Lambda VEDAFEU C© fire barrier backer rod is about 0.035 W/mK at 10°C and 0.040 W/mK at 50°C.
The thermal resistance R (m² K/W) is calculated by the ratio of the thickness of insulation on Lambda.

VEDAFEU C© ACOUSTICAL Properties

In accordance with the NRA (New Acoustical Regulation 2012)

Acousting absorption (αs) according to frequencies (Hz) for a diameter from 30 to 180 mm	125	250	500	1000	2000	4000	Internal measurements
	0.10	0.16	0.38	0.51	0.59	0.61	

VEDA FRANCE
Joints bâtiment - Building joints

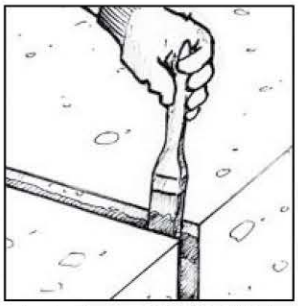
VEDAFEU C© ROPE

Installation instructions for joint width from 10 to 120 mm

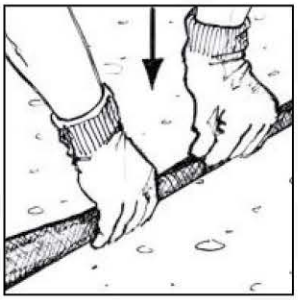
efectis france
Les Experts européens de la Sécurité Incendie

CSTB
le futur en construction

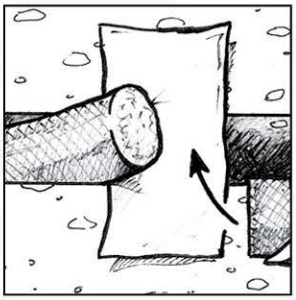
If necessary, remove formwork material such as polystyrene, honeycomb cardboard, etc.
The contact surfaces must be clean, dry and free from contamination. Remove dust, using a brush or a broom.



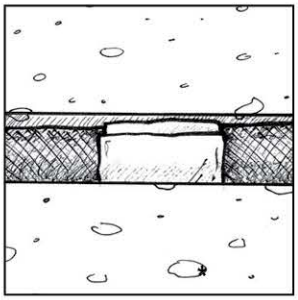
Apply a layer of VEDACOLLE C with a brush on both sides of the joint.



While the adhesive is still wet, insert VEDAFEU C© and firmly press it by hand till perfect fit.



Linking of 2 lengths (patented).

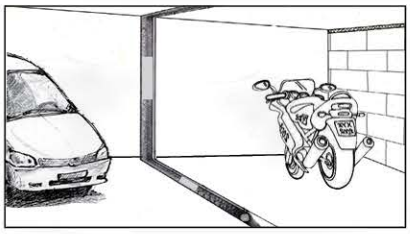


VEDAFEU C© with junction.

For installation accessories, please refer to the concerned classification report.

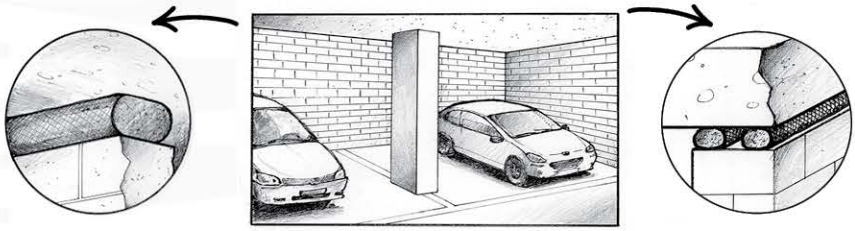
EXAMPLES OF APPLICATION

1 Expansion joint



Application on floor, wall, ceiling with junctions.

2 Head of wall

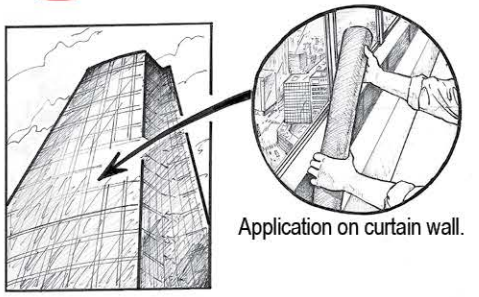


A single rope on head of wall.

Application in carpark.

Double rope on head of wall.

3 Curtain wall



Application on curtain wall.

4 Others applications

Windows and doors frames, bearings protection, through-penetrations, ...