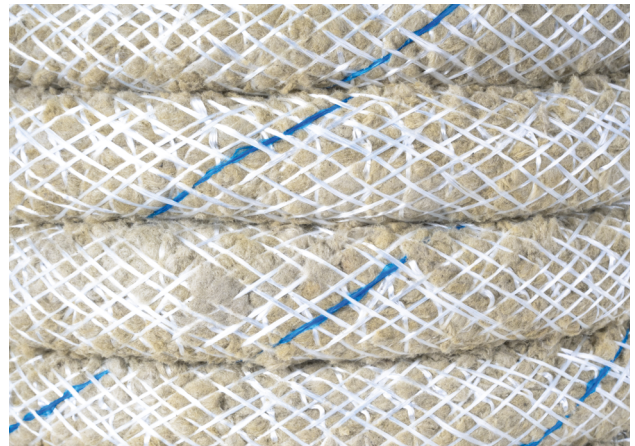


Joint Rope SG 300



CLASSIFIED FIRE RESISTANCE

EI 90, EI 120 and EI 180 or F 90, F 120 and F 180

DESCRIPTION / APPLICATION

Joint Rope SG 300 is a flexible and elastic sealing rope made of mineral fibers braided over with glass yarn. It serves the purpose of fireproof closing of horizontal and vertical component joints in or between fire resistant, separating walls and/or ceilings.

Joint Rope SG 300 is available in different dimensions (see table 1.1).

PRODUCT RANGE

Nominal diameter depending on the joint width to be closed

Joint width (mm)	Joint rope (Ø mm)	Pack size meters (m)	Order number
up to 10	12	5 x 20	125900
10 - 12	15		125901
12 - 17	20		125902
17 - 27	30		125903
27 - 37	40	2 x 20	125904
37 - 47	50		125905
47 - 55	60	2 x 10	125906

Table 1.1



Information on prices and
packing units upon request.

EXTRACT FROM THE EUROPEAN TECHNICAL APPROVAL

- Joint Rope SG 300 is in line with the fire behavior class A1 according to EN 13501-1 and DIN 4102-1*.
- The joint rope is to maintain or restore the fire resistance of separating components at those spots where they are interrupted or separated by joints.
- The maximum lateral expansion capacity of Joint Rope SG 300 is 7.4 %.
- The maximum vertical shear stress of horizontal joints is limited to $\Delta h = 100$ mm with regard to the state of assembly.
- The joint rope does not serve the purpose of power transmission.
- All separating components must meet the respectively demanded fire resistance classes according to EN 13501-2.
- The joint rope may be used as a closure of linear joints in connection with the following separating components:
 - Solid walls and solid ceilings
 - Aerated concrete with a minimum raw density of 700 kg/m
 - Concrete, reinforced concrete or masonry with a minimum raw density of $2400 \text{ kg/m}^3 \pm 20 \%$
- Thickness of the separating components must be at least 150 mm.
- All data of the European Technical Approval ETA-13/0217 for Joint Rope SG 300 must be observed. A complete version of ETA-13/0217 is available as download on our REX website.

* non-flammable material

INSTALLATION CASES

Installation case A: Horizontal joint in/between ceilings or between walls and ceilings

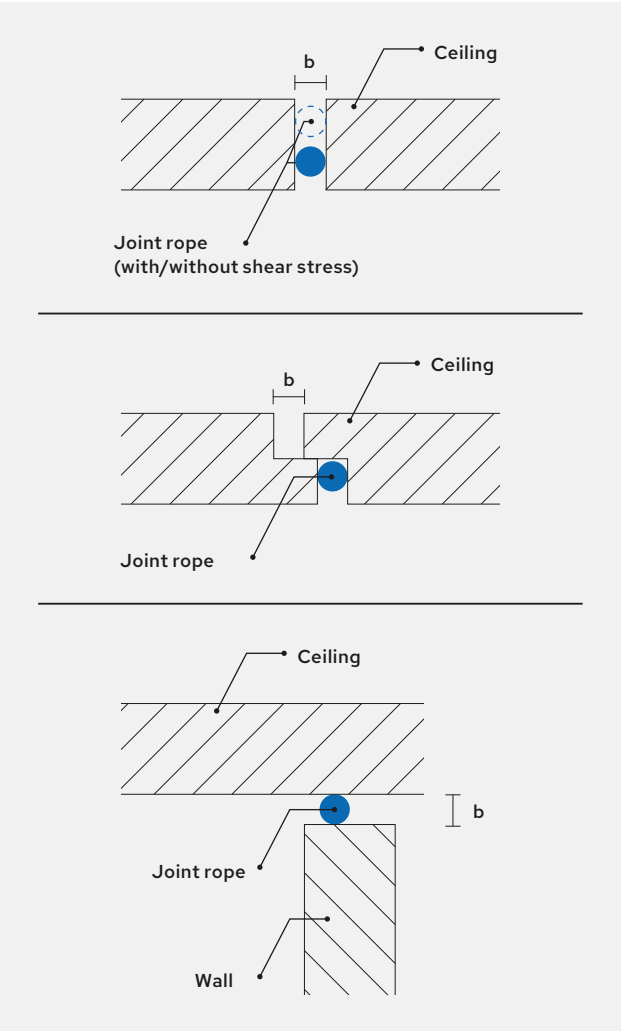


Table 2.1

Installation case B: Vertical joint in / between

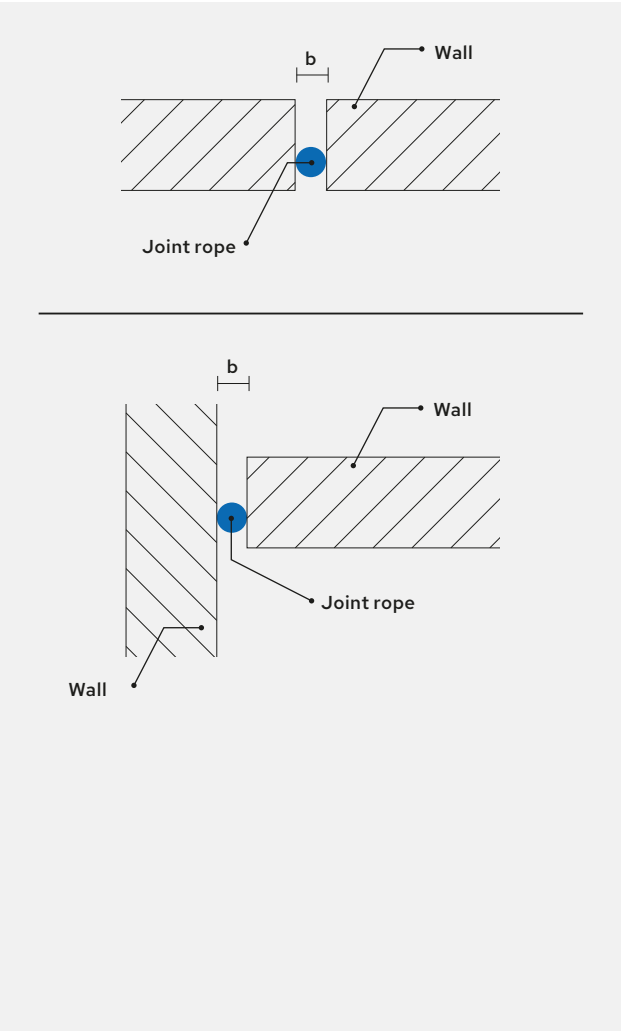


Table 2.2

Installation case C: Horizontal joint between ceilings and walls

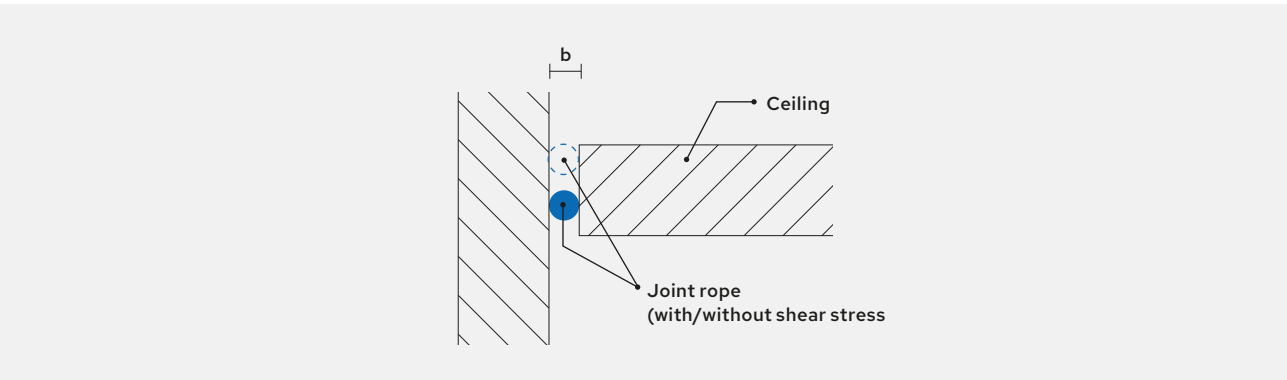


Table 2.3

DESCRIPTION AND INTENDED USE

The selection of the appropriate sealing cord (nominal diameter depending on the joint width to be sealed) can be found in Table 1. The DIN classifications F 90, F 120, and F 180 are equivalent to the EN classifications EI 90, EI 120, and EI 180, respectively.

EI 90 without shear load:

Installation in solid walls and solid floors with a minimum thickness of 150 mm and a density of at least 700 kg/m³.

Installation case	Joint width (mm)	Number of layers	Arrangement	Fire resistance classification
A, B	10 to 55	1	Any arrangement	EI 90-V-X-F-W 10 to 55 EI 90-H-X-F-W 10 to 55

Table 3.1

EI 120 without shear load:

Installation in solid walls and solid floors with a minimum thickness of 150 mm and a density of 2,400 kg/m³ ± 20%.

Installation case	Joint width (mm)	Number of layers	Arrangement	Fire resistance classification
A, B	10 to 55	2	Any arrangement	EI 120-V-X-F-W 10 to 55 EI 120-H-X-F-W 10 to 55

Table 3.2

EI 180 without shear load:

Installation in solid walls and solid floors with a minimum thickness of 150 mm and a density of 2,400 kg/m³ ± 20%..

Installation case	Joint width (mm)	Number of layers	Arrangement	Fire resistance classification
A, B	10 to 27	4	Layers installed side by side without spacing; arrangement within the joint is optional	EI 180-V-X-F-W 10 to 55 EI 180-H-X-F-W 10 to 55
	27 to 55	3		

Table 3.3

EI 90 with shear load:

Installation in solid walls and solid floors with a minimum thickness of 150 mm and a density of 2,400 kg/m³ ± 20%.

Installation case	Joint width (mm)	Number of layers	Arrangement	Fire resistance classification
A, C	10 to 55	2	One layer on each side, with a distance of a ≥ 25 mm from the outer edge of the structural element	EI 90-V-M65-F-W 10 to 55 EI 90-H-M65-F-W 10 to 55

Table 3.4

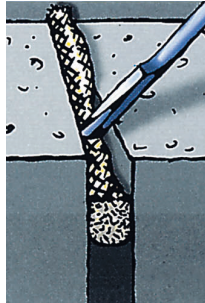
Please read these instructions carefully before starting installation!

INSTALLATION INSTRUCTIONS



Preparation

Remove the form-work burrs, concrete splashes, expanding foams or the like. Clean the joint with a wire brush. If jointing compound is required, apply primer coat for elastic compounds.



Positioning

Position the joint rope.



Insertion

Insert and condense the first layer.



Further layers

If necessary, insert and condense the second, third or fourth layer.



Closing

Close the joint with jointing compound (optional).

Butt Joint

For single-layer arrangement, the adjoined ropes must overlap by 10 cm. For multi-layer arrangement, joints must be staggered by 50 cm. Joints in multi-layer arrangement may be butt-joint.

Arrangement of the joint rope (see also Table 1.1, 2.1, 2.2 and 2.3)

For single-layer design, it can be arranged randomly within the joint (possible is the side towards the fire or away from it). For multi-layer design, it can also be arranged randomly within the joint. The layers are to be positioned side by side without distance. For joints with vertical shear stress, one layer rope each with a minimum distance of 25 mm to the component's outer edge must be inserted (= double-layer type for EI 90).

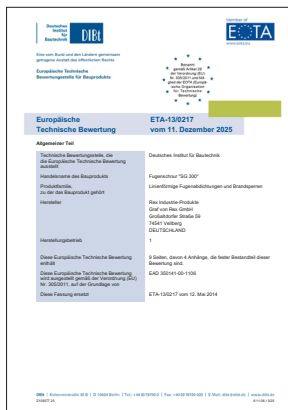
Notes on occupational health and safety

The fibers can cause irritation to the skin, eyes and mucous membranes. We recommend avoid dust formation and wear suitable protective clothing, gloves and a dust mask during processing. A data sheet on safe use is available and can be requested.



Installation notes

The surface of the joint rope accomplished optionally with permanently elastic sealing, coating or lining. The manufacturer's specifications must be observed. As a general rule, we recommend sealing the joint with an elastic joint sealant to protect the joint. It is permitted to glue in Joint rope SG 300 with Litaflex Glue 800.



European Technical Approval
No. 13/0217 of 11 December 2025, issued by
the Deutsches Institut für Bautechnik, Berlin



0761-CPR-0345
13
0761-CPR
ETA-13/0217
ETAG 026 Teil 3
Linear joint seal and fire barrier Joint rope SG 300
Nominal diameter 12, 15, 20, 30, 40, 50, 60 mm. Usage categories Type Y₁, Y₂, Z₁, Z₂
Please see ETA-13/0217 for other relevant product characteristics

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tion you can find here



The statements on specifications and data are made to the best of our knowledge. As far as possible, they have been verified by test certificates or determined by tests. In cases of doubt, we recommend carrying out a test adapted to the local conditions. In addition, the employees of our Sales and Development departments are available to advise you at any time.

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