



## BG1 Compression Tape (fire-retardant)

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Celdex BG1 Compression Tape (fire-retardant) is a foam tape, pre-compressed, impregnated with acrylate polymer and fire-retardant additives. The fire-retardant compression tape is wrapped on rolls pre-compressed. As soon as there is no more pressure on the compression tape, the tape will slowly expand. If the correct measurement is applied in the joint, the compression tape will expand until the entire joint is filled with the correct compression factor. BG1 Compression Tape (fire-retardant) was developed specifically for the fire-retardant sealing of irregular cracks, seams and joints. Available on roll in the colour light grey.

### PROPERTIES

BG1 Compression Tape (fire-retardant) is suitable for fire-retardant sealing of joints for concrete constructions, partition walls and for connections of wooden frames on concrete (joint detail and foam tape selection, according to test report). In addition to the fire-retardant properties, the compression tape complies with class BG1: driving rain sealant until at least 600 Pa, suitable for non-covered joints (UV-resistant). Ideal as a driving rain sealing of joints and connections in high and low-rise buildings.

### CHARACTERISTICS

- BG1 class: driving rain sealant at 600 Pa
- UV-resistant
- Fire-retardant up to EI 120 min. in case of double application concrete-concrete
- Fire-retardant EI 60 min. in case of double application concrete-wood
- Easily compressible

- Foam tape expands slowly
- Single-sided adhesive
- Available on roll
- Colour: light grey

### PROCESSING GUIDELINES

Use the correct tape size for every joint measurement. BG1 Compression Tape (fire-retardant) should be applied unstretched. Connections should be cut in a 45° angle to allow an overlap. The tape should not be taped around corners, but must be applied with overlength. In case of intersections, do not cut the vertical tape. Cut the horizontal tape with overlength and create a tight, compressed butt joint against the vertical tape. Sufficiently compress the tape in the joint to meet the specifications, such as fire-retardant, airtight, driving rain proof and UV resistance. Foam tapes should be recessed in the joint by at least 5 mm. Store the product in its closed original packaging.



## SAFETY

No specific safety guidelines exist for this product.

## MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

## IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

## CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefab, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

Discover our assortment:

- Foam fillers
- Stone wool products
- Single-sided and double-sided adhesive foam tapes
- Pre-compressed foam tapes
- Butyl tapes
- Fire-resistant products
- Anti-drumming materials
- Duct seals
- Tapes
- Polyurethane foams, elastic sealants and adhesives

## TECHNICAL DATA

Base	Polyurethane foam
Impregnation	Acrylic dispersion + fire retardant additives
Self-adhesive	Acrylic
Colour	Light grey
Air permeability (DIN EN 12114)	$a_n \leq 0,1 \text{ m}^3/\text{h.m.dPa}$
Resistance to driving rain	$\geq 600 \text{ Pa}$
Fire rating (DIN 4102-1)	B1
Stress group classification (DIN 18542)	BG1
Thermal conductivity (DIN EN 12267)	$\lambda = 0.0429 \text{ W/mK}$
Service temperature range	-30 °C to +100 °C, short term 130 °C
Application temperature	5 °C to +45 °C
Compatibility with building materials (DIN 18542:2009)	Complies
Joint type	All joint types possible
Shelf life at storage temperature 20 °C	12 months in closed package

### Fire resistance according DIN EN 1366-4

#### Joints between concrete & wood

Joint width:	2-4 mm	Band width:	15 mm - double	Fire resistance:	EI 60 min.
	5-10 mm		15 mm - double		EI 60 min.
	8-15 mm		20 mm - double		EI 60 min.

#### Joints between concrete & concrete

Joint width:	2-4 mm	Band width:	25 mm - double	Fire resistance:	EI 120 min.
	5-10 mm		25 mm - double		EI 120 min.
	8-15 mm		40 mm - double		EI 120 min.

The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.