

BG1 Compression Tape

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Celdex BG1 Compression Tape is a pre-compressed, acrylate-dispersed impregnated, polyurethane foam tape with adhesive backing. BG1 Compression Tape is suitable as a durable driving rain sealing for the most common joints, cracks and seams; connections of masonry with door and window frames, concrete columns, roof and façade elements, and dilatation joints.

PROPERTIES

BG1 Compression Tape achieves its sealing and UV-resistant properties through compressing. The correct foam tape measurement in relation to the joint width is hereby essential. The product is installed from the roll into the joint, after which it slowly expands. In case of a higher ambient temperature, the tape will expand more quickly. Imperfections of the joint will be filled and an optimal sealing will be achieved. The impregnation protects the tape against weather influences and ensures a great aging resistance. BG1 Compression Tape contains no bitumen and does not perfume. Available on roll.

CHARACTERISTICS

- Pre-compressed impregnated foam tape
- Tape expands slowly
- Driving rain sealant at 600 Pa
- Remains elastic during joint movements

- Protects against moist, dust, heat loss and noise
- Available on roll
- Colour: black, grey or light grey

PROCESSING GUIDELINES

Use the correct tape size for every joint width. BG1 Compression Tape 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 its specifications, such as airtight, driving rain proof and UV resistant. Foam tapes should be recessed in the joint by at least 5 mm.



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
Self-adhesive	Acrylic
Colour	Black, grey or 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)	$\lambda = 0.0412 \text{ W/mK}$
Water vapour diffusion resistance (DIN EN ISO 12572)	$sd < 0.5 \text{ m}$
Service temperature range	-30 °C to +100 °C, short term 130 °C
Application temperature	0 °C to +35 °C
Sound insulation (ift SC-01/2:2002-09)	42 dB (applied once), 59 dB (applied twice)
Aging resistant	Artificial weathering . 10 years, MPA Free weathering > 15 years, MPA2
Compatibility with building materials (DIN 18542:2009)	Complies, MPA
Joint type	All joint types possible
Shelf life at storage temperature 20 °C	12 months in closed package

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.