

**Product Information:**

# Sealant Tape BG1

**Permanently elastic, for construction joints**

**General description and applications:**

Sealant Tape BG1 is a pre-compressed sealant tape, which will expand up to five times, to form an effective seal, which is permanently elastic and with maintained breathing-capability.

The tape is suitable for joints around doors and windows, pipes and construction joints, indoor and outdoor.


The tape is based on special impregnated polyurethane foam, which secures permanent resistance to weather and driving rain.

The tape is self-adherent, easy to install and deliverable in several sizes for joints from 3 mm – 35 mm width.

The BG1 tape is recommended for joints in coastal areas, especially weather-exposed joints in multi-storey buildings up to 100 m in height, as well as for expansion joints in prefabricated buildings. A 15-year functional warranty is given, if applied according to our instructions.

The product is CE labelled and estimated as being "Completely Harmless" by ECO – Environmental Institute Cologne.



Member of  Danish Association of Sealant Applicators & Manufactures.

**Physical / chemical properties:**

**Sealant Tape:**

Material:		Polyurethane foam, impregnated with modified acrylic dispersion.
Test norm	DIN 18542:2009	BG1
Colour		Grey and black
Density	DIN 4102, del 1	110 – 150 kg/m <sup>3</sup>
Fire Retardant Class		B1 (Heavily inflammable)
Driving rain tightness	DIN EN 1027	> 1050 Pa (Wind Strength 11, building height 100 m)
Air-permeability	DIN EN 42	a <sub>n</sub> ≤ 0,1 m <sup>3</sup> /mh
Temperature resistance		-30°C - + 100°C (short term +130°C)
Tensile Strength	DIN EN 1798	min. 100 kPa
Stretching	DIN 53571	min. 200%
Water vapour diffusion	DIN EN ISO 12572	μ < 10 (when compressing to 20%)
Caloric conductivity	DIN 12 667	λ = 0,0429 W/mK, MPA Hannover
The bonding ability		> 15 N / 25 mm
Compatibility with conventional building materials	DIN 18542	Fulfils requirements
Long term resistance:		15 years function-guarantee (contact sales office for details)
Sound reduction index, ST, W	Rosenheim, test report 167 7188/z2	42 dB using one sealant tape (without isolation or other sealing material) 59 dB using two sealant tapes (without any isolation).
Shelf life		24 months from the production date.



## Directions for use:

**Preparations:** To achieve optimum application time, the tape must be kept at room temperature for minimum one hour before application. The joint surfaces must be cleaned.

**Dimensioning:** Choose correct size of tape from the table:

Joint width:	Joint depth, minimum:	Type:	Black			Grey		
			Length pr. role:	Qty pr. box:	Item no.	Length pr. role:	Qty pr. box:	Item no.
3 - 7 mm	20 mm	20/3-7	8 m	15	95611	7,5 m	15	9561
8 - 15 mm	20 mm	20/8-15	5 m	15	95571	5 m	15	9557
10 - 18 mm	20 mm	20/10-18	5 m	15	95894	5 m	15	95893
12 - 25 mm	25 mm	25/12-25	4,7 m	12	95898	4,7 m	12	95897
20 - 35 mm	35 mm	35/20-35	4,7 m	8	95900	4,7 m	8	95899

**Important:** Mounting must be done between two parallel and completely flat surfaces. When mounting up against metal, eg for windows with aluminum coverings, sealant tapes is selected with a depth of min. 20 mm and joint width are dimensioned in oversize. The sealant tape is mounted 3 – 5 mm retracted into the construction. – contact DANA technical service for advice.

**Application:** Cut the first 2 cm of when you start using the tape and when you end, the last 2 cm shall also be cut off. The required length is cut off. Remember to add 1 - 3 cm pr. meter. Remove 20 - 30 cm of the protective paper and place the tape on one of the joint surfaces. The front of the tape is placed approx. 2 - 4 mm recessed from the edge. Press the tape with a filling knife if there is not enough room for using the fingers. If the band does not adhere properly (due to moisture or dusty surfaces), the tape can be fixed with a wedge until it has expanded.

In crossing joints, the vertical tape must be complete. The horizontal tape is applied afterwards, pressing lightly against the vertical. In T-joints the through-going tape is always applied first. At butt joints the tape is collected with light pressure. The tape must never overlap.

In corners the vertical tape is applied first.

Please note that bottom joints at windows can be non-suitable for sealant tape. The geometric profile of the window can make it impossible to place the tape correctly. When applying the tape, it must also be secured that rainwater is not lead directly into the tape.

When used at brick walls the joints must be filled, as the surfaces must be level.

**Bottom joints:** Bottom joints at windows may be unsuitable for sealant tape due to the geometric profile of the window frame and the sloping surfaces of the window sills. Fore bottom joints that cannot be made with sealant tape, a traditional joint should be made instead.

**Expansion:** The expansion will start as soon as the role is opened. Depending on temperature, it will take from minutes to days. High temperatures will accelerate expansion. It is possible to heat the band carefully with a fan heater. The other way around, the application time can be extended if the tape is cooled.

## Health and safety:

For further information on safety, refer to the product safety data sheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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