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CONPRESeal 3V BG1

MULTI-FUNCTIONAL TAPE

3V BG1 is a pre-compressed and impregnated multifunctional joint sealing tape for the sealing of all function areas in window joint sealing with a single product. The tape meets all of the requirements pertaining to an air tight and heavy rain tight sealing.

Properties	Standard	Performance
Colour		black with functional membranes
Fire behaviour	DIN 4102	B1, MPA*
Stress group	DIN 18542:2009	BG1/BGR, NDS04-2016-117, MPA*
Building component test	MO-01/1:2007-01	passed, ift*
Joint permeability	DIN EN 12114	$a_n \leq 0{,}1$ $(m^3/h\ m\ dPa)^{2/3}$, 161236 MPA*
Heavy rain tightness	DIN EN 1027	≥1050 Pa, 161236 MPA*
Extended joint area	passive house construction	a<0.1, SRD >1050 Pa, B1
	new building construction	a<0.1, SRD >600 Pa, class E
	rehabilitation	a<0.1, SRD >300 Pa, class E
	thermal insulation	class E
Condensate resistance	DIN 18542:2009	yes, BG R, 161236 MPA*
Temperature resistant		-30 °C/-22°F to 80°C/176°F
Thermal conductivity	DIN EN 12667	λ ≤ 0,0428 W/m*K, MPA*
Joint airborne sound insulation index $R_{ST,W}$	ift SC-01/2:2002-09 DIN EN 12354-3	not plastered: 58 dB, ift*
Water vapour permeability	DIN EN ISO 12572	moisture-adaptive μ=7-44, MPA*
Compatibility with conventional building materials		exists, MPA*
Processing temperature		+5°C/41°F to +30°C/86°F. Precool the tape at temperatures from +20°C/68°F preheat it at lower temperatures if necessary.
Emissions	EMICODE®	EC1 Plus, GEV*
Storage stability		12 months, dry, at room temperature, in the original container

* MPA: Material Testing Agency Hanover; ift: Rosenheim; GEV: Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials

"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit partel.com for the most up to date information"

www.partel.ie
sales@partel.ie
P: 0818 33 33 55

www.partel.co.uk
sales@partel.co.uk
P: 02037 401918

www.partel.com
sales@partel.com
P: 888 487 1012

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Key Advantages

- √ Heavy rain tightness to 1050 Pa in accordance with EN 1027
- √ Airtight (corresponds to the highest European standard for joint sealant tapes DIN 18542:2009 = BG R)
- √ Triple-Layer Joint Sealing System ensures tested joint sealing of windows suitable for all kind of buildings including Passive Houses
- √ Weatherproof
- √ Excellent thermal and sound insulation
- √ Weather-independent installation
- √ Moisture-adaptive membranes which adapt their water vapour permeability to the humidity stress. An increased ambient air humidity causes the diffusion resistance to also increase.
- √ 10 year function guarantee*
- √ Very low emission — GEV EMICODE®- EC1^{Plus}

*when using all of the Hanno system components, according to manufacturer's instructions

Areas of applications

The CONPRESeal 3VBG1 can be used to seal the window connection joint. The sealing of the most different joint widths and window profile thicknesses is possible due to the various tape widths and thicknesses. Depending on the degree of compression, one product can be used for several applications.

Passive house construction		New building construction		Rehabilitation		Thermal insulation	
3-9	1/8”-23/64”	3-10	1/8”-25/64”	3-12	1/8”-15/32”	3-15	1/8”-19/32”
4-15	5/32”-19/32”	4-18	5/32”-45/64”	4-21	5/32”-53/64”	4-25	5/32”-63/64”
7-20	9/32”-25/32”	7-24	9/32”-15/16”	7-28	9/32”-15/16”	7-33	9/32”-1 19/64”
10-30	25/64”-1 3/16”	10-36	25/64”-1 27/64”	10-42	25/64”-1 21/32”	10-50	25/64”-1 31/32”

Fitting Instructions for system tape

Special instructions

Please adhere to our Instructions for use, especially the information concerning the expansion behavior and the fixing in place. Depending on the weather situation, the membranes can require a certain amount of time for their final and even pressing against the flanks of the joints. Tightness inspections should there-fore only be carried out four weeks after they have been professionally installed at the earliest.

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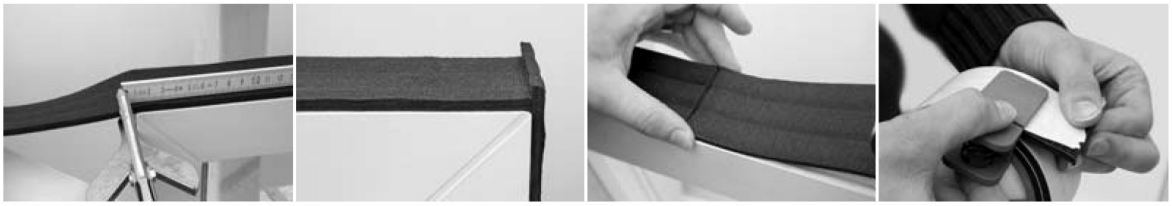
Determine the joint width and select a suitable tape. Open the roll and cut off the first 2 cm. The joint width is calculated on the basis of the real (max.) distance between the outer ridge and the masonry.

The manufacturer's instructions concerning the area of use are to be adhered to, taking temperature-related length changes and structural movements into account. It is recommended that the tape be moistened when using it with narrow joint widths.

Remove approx. 20 cm of the covering paper. Adhere the tape to the frame leaving an excess length (lower joint width dimension).

Cut off the tape at the upper edge leaving an excess length and form a butt joint in the corner so that it is flush with the outer edge of the frame. When reaching the end of the roll, form a butt joint and cut off the last and first 2cm. If necessary, fill in cross joints/breakouts with a suitable sealing compound (e.g. MS-polymer).



Insert the frame in the wall opening together with the system tape, predrill the holes and mount with the customary load-bearing space mounting screws.

Note: In order to guarantee an optimal mounting, the tape is equipped with a delayed restoring behaviour which is temperature related. The tape is also to be stored in a cool space on the construction site at temperatures exceeding 20°C. It is recommended that the tape be pre-heated in lower temperatures. The complete restoration of the system tape can take up to 48 hours after installation. This time can be longer when temperatures are low. Therefore, the sealing action should only be checked four weeks after the professional installation. For the creation of the bottom joint connection, we primarily recommend the use of a foil tape for inside and outside which has a variable SD-value. In this case, a permanent wedging is to be carried out in order to transfer the loads to the bottom structure. As an alternative, the bottom connection can be created with a corresponding system tape. The tape width is to be in keeping with the windowsill profile and the joint width is to be adhered to. Faults at the crossover point to the side tape are to be evened out with a suitable sealing compound. A permanent load application to the structure is to be ensured by selecting a suitable fastening device.

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