



Technical data

Material		
Main component	Open-cell polyurethane flexible foam with polymer impregnation	

Property	Regulation	Value
Colour		Anthracite
sd value		< 0.5 m
g value		< 2.5 MN·s/g
Vapour permeance	ASTM E 96	> 6.56 US perms
Fire class	DIN 4102	B1, P-NDS04-1001
Weather resistance	DIN 18542	Passed
Resistance to driving rain	EN 1027	Requirements fulfilled up to 600 Pa
Joint permeability	EN 1026	$a < 1.0 \text{ m}^3/[(\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$
Loading group	DIN 18542	BG1
Can be plastered/painted over		Yes
Application temperature		Above +1 °C ; 34 °F
Temperature resistance		Permanent: -30 °C to +90 °C ; -22 °F to 194 °F
Storage		Lying flat, cool and dry, 1 °C to 20 °C ; 34 °F to 68 °F, 12 months
Compatibility with conventional construction materials	DIN 18542	Yes

Areas of application

Pre-compressed, expanding tape for external sealing of joint gaps around windows and doors in a manner that is diffusion-open and resistant to driving rain. This particularly weather-resistant tape has a self-adhesive surface on one side for easy installation.

Supply form

Art. no.	GTIN	Length	Width	Joint width	Weight	Sales unit	Container
15547	4026639155474	10 m	10 mm	2-3 mm	0.119 kg	30	2880
15548	4026639155481	10 m	15 mm	2-3 mm	0.206 kg	20	1920
15549	4026639155498	8 m	12 mm	3-6 mm	0.142 kg	25	2400
15550	4026639155504	8 m	15 mm	3-6 mm	0.214 kg	20	1920
15552	4026639155528	5 m	15 mm	5-10 mm	0.219 kg	20	1920
15553	4026639155535	5 m	20 mm	5-10 mm	0.289 kg	15	1440
15554	4026639155542	4.3 m	15 mm	7-12 mm	0.219 kg	20	1920
15555	4026639155559	4.3 m	20 mm	7-12 mm	0.289 kg	15	1440
15556	4026639155566	3.3 m	20 mm	8-15 mm	0.279 kg	15	1440
15557	4026639155573	2.6 m	20 mm	10-18 mm	0.341 kg	15	1440

Advantages

- ✓ Permanent sealing of joint gaps thanks to extremely high resistance to weathering
- ✓ Fulfils the highest requirements: BG1 quality and fire rating B1, P-NDS04-1001
- ✓ Ensures dry building structures: resistant to driving rain and diffusion-open
- ✓ Large range of sizes available to seal all typical gap widths

Substrates

Clean any loose dust and dirt from the joint. The masonry may need to be levelled with a smooth plaster finish if there are pores, roughness, different heights or mortar joints etc. present. Subsurfaces must be sufficiently pressure-resistant and must be non-absorbent. Smooth, parallel and level subsurfaces are critical to achieve a proper seal. Clean the sides of the window frames.

Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on surfaces where adhesives are to be applied. Subsurfaces must be sufficiently dry and stable.

Good adhesion is achieved on planed and painted timber windows and on plastic windows. Surfaces should not be finished in a water-repellent manner.

The best results in terms of achieving a well-protected structure are achieved on high-quality subsurfaces. It is your responsibility to check the suitability of the subsurface.

General conditions

When temperatures are above 20 °C (68 °F), the tape should be stored in a cool place on the building site too. When temperatures are below 8 °C (47 °F), the tape should ideally be kept above this temperature limit. The rate of expansion of the tape depends primarily on the temperature: the expansion rate is slower at low temperatures, faster at higher temperatures.

The tape dimensions should be selected and the gap dimensions planned in accordance with the "Guideline for installation of windows and external pedestrian doors" that has been published by the RAL Quality Seal organisation (Gütegemeinschaft Fenster, Fassaden und Haustüren e. V.) in Frankfurt and IFT Rosenheim.

Provide for slack by allowing 1 cm of additional length of the tape for every metre length (or 1/8" for every foot) of joint. Use butt-joints at corners and end-to-end joints. Ensure the tape remains in place until it expands by using the self-adhesive surface on a suitable subsurface. Install the tape with a recess of at least 2 mm (1/16") back from the edge of the gap.

Tape rolls should generally be stored lying flat. To avoid decompression of rolls that have already been started, secure the ends of the tape with KLIPFIX or else wrap an adhesive strip fully around the tape. Place a weight on the side of rolls that have already been started.

Before plastering or painting over the tape, test compatibility with the tape first. Do not bring the tape into contact with aggressive chemicals or clean it using such chemicals.

The recommended joint widths can be found under 'Supply forms'. For each individual article, the lowest and highest joint width is stated for which a seal is achieved that fulfils the BG1 class. Relative motion between building structures and any unevenness on surfaces should be taken into account here. The joint width is the width into which the tape can expand; this should also be taken into account when installing CONTEGA FIDEN EXO into a groove.



The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](<https://proclima.com/service/technical-support>).

MOLL
bauökologische Produkte GmbH
Rheintalstraße 35 - 43
D-68723 Schwetzingen
Fon: +49 (0) 62 02 - 27 82.0
eMail: info@proclima.de

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Great Britain +44 (0)1228 711511

Ireland +353 46 9432104



Email us

info@ecologicalbuildingsystems.com



Find us

Great Britain Ecological Building Systems UK Ltd.,
Cardewlees, Carlisle, Cumbria, CA5 6LF,
United Kingdom

Ireland Ecological Building Systems Ltd.,
Main Street, Athboy. Co. Meath, C15 Y678,
Republic of Ireland