



### 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
Reaction to fire classification	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 $a < 1.0 \text{ m}^3/[(\text{h} \cdot \text{m} \cdot \text{daPa})\text{n}]$
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.	Joint width	Length	Width	Weight	Sales unit	Container	GTIN
15547	2-3 mm	10 m	10 mm	0.119 kg	30	2880	4026639155474
15548	2-3 mm	10 m	15 mm	0.206 kg	20	1920	4026639155481
15549	3-6 mm	8 m	12 mm	0.142 kg	25	2400	4026639155498
15550	3-6 mm	8 m	15 mm	0.214 kg	20	1920	4026639155504
15552	5-10 mm	5 m	15 mm	0.219 kg	20	1920	4026639155528
15553	5-10 mm	5 m	20 mm	0.289 kg	15	1440	4026639155535
15554	7-12 mm	4.3 m	15 mm	0.219 kg	20	1920	4026639155542
15555	7-12 mm	4.3 m	20 mm	0.289 kg	15	1440	4026639155559
15556	8-15 mm	3.3 m	20 mm	0.279 kg	15	1440	4026639155566
15557	10-18 mm	2.6 m	20 mm	0.341 kg	15	1440	4026639155573

### 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; if necessary, subsurfaces should be stabilised or renewed.

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 reliability are achieved on high-quality substraces. Particular care is necessary when working with older or multi-layer substraces. It is your responsibility to check the suitability of the substrate; adhesion tests may be necessary in certain cases.

## 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 substrate. 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.



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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>).

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