

TECHNICAL DATA SHEET

PURlogic® Flex 1-C gun foam

Art. no. 0892 142 8

P. Qty.: 1 / 15

1C premium foam for elastic joint insulation

The high elasticity (approx. three times the flexibility of conventional PU foams) of PURlogic® FLEX considerably reduces the risk of the foam cracking and thermal bridges. The foam is also suitable for use in winter down to a substrate and ambient temperature of -15°C and can temperature of 0°C. The 10-year system warranty does not apply in connection with the product's suitability for winter.

Properties examined in independent test institutes:

- Component testing: Fulfills all structural-physical requirements in old and new buildings, inspected by Gewerbliche Akademie für Glas-, Fenster- und Fassadentechnik (Commercial Academy for Glass, Window and Facade Technology) in Karlsruhe, Germany.
- Joint sound insulation: $R(ST,w) = 60$ dB according to EN ISO 717-1, tested by ift Rosenheim.
- Thermal conductivity: Reduces thermal loss at 0.0345/(mK) according to DIN 52612
- Tested by MPA Hanover
- Air permeability: Prevents draughts, tested according to DIN 18542 by ift Rosenheim
- Water vapour permeability: Tested water vapour diffusion resistance of 20 μ according to DIN EN ISO 12572 by ift Rosenheim
- Energy saving according to German Energy Saving Ordinance (EnEV): Reduced ventilation heat requirement of 0.36 MWh/a at a pressure difference of 100 Pa, tested by Fraunhofer Institute based on DIN 18055/DIN EN 204
- General test certificate issued by construction authorities: Corresponds to material class B2 according to DIN 4102, Part 1, tested by Material Testing Institute in Leipzig



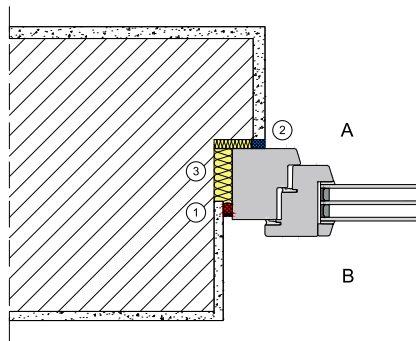
Chemical basis	Single component polyurethane
Colour	Pebble grey
Smell/fragrance	Characteristic
Moulded density	24 kg/m ³

TECHNICAL DATA SHEET

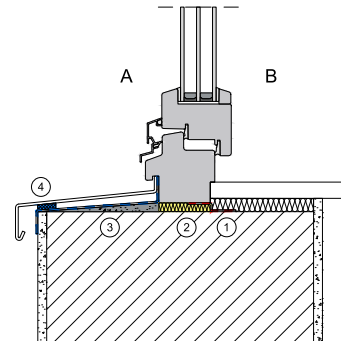
Cell structure	Medium - fine
Cell structure conditions	tested in accordance with Würth test methods
Tack-free after	6 min
Conditions for being tack-free	at 23 °C and 50% humidity
Can be cut after	20 min
Conditions for ability to cut	at 23 °C and 50% relative humidity
Full resilience	12 h
Conditions for full resilience	at 23 °C and 50% relative humidity
Min. processing temperature	5 °C
Max. processing temperature	25 °C
Min. ambient processing temperature	-15 °C
Max. ambient processing temperature	25 °C
Min. surface processing temperature	-15 °C
Max. surface processing temperature	25 °C
Min. processing temperature for can	0 °C
Min. temperature resistance	-40 °C
Max. temperature resistance	90 °C
Building material class	B2 - Normally inflammable
Building material class conditions	in accordance with DIN 4102
Heat conductance λ	0.034 W/(m*K)
Heat conductance λ conditions	in accordance with DIN 52612
Water absorption (%)	0.3 Vol.-%
Min. tensile strength	5 N/cm ²
Conditions for tensile strength	in accordance with DIN 53571
Acoustic insulation for joints	60 dB
Conditions for acoustic insulation of joints	with 10-mm and 20-mm wide joint
Ultraviolet resistance	No
Min. breaking force	20 N
Yield (volume) approx.	18 l
Conditions for yield	at 23 °C and 50% humidity, in released form
Contents	500 ml
Container	Can
Number per pallet	825 PCS
Weight of content	581 g
Resistance against	Aging

TECHNICAL DATA SHEET

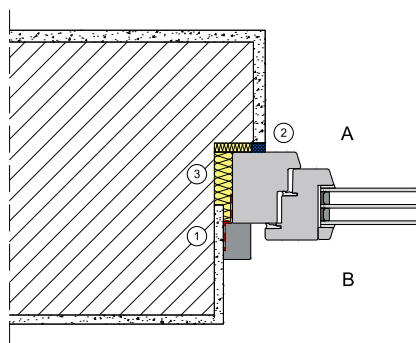
HCFC-free	Yes
CFC (fuel gas) free	Yes
HFC-free	Yes
Shelf life from production	12 Month
Conditions to maintain shelf life from production	at 20 °C
Sustainability	Pollutants/Emissions



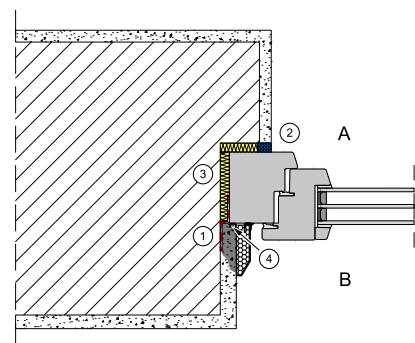
1. PE backfill material, cut-resistant round cord, paint acrylic
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-100, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. PURLOGIC Top 1C gun foam, PURLOGIC Flex 1C gun foam
3. EPDM sealing tape, outside SK, EPDM sealing tape, outside 0.8 mm butyl, EPDM sealing tape, outside
4. Sealing tape VKP PLUS, sealing tape VKP MAX

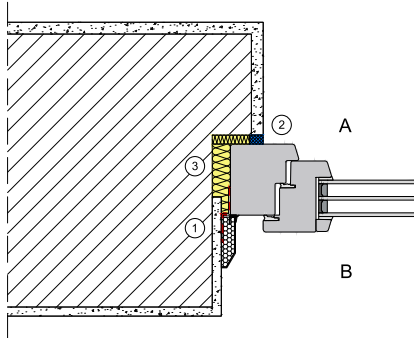


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-101, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex

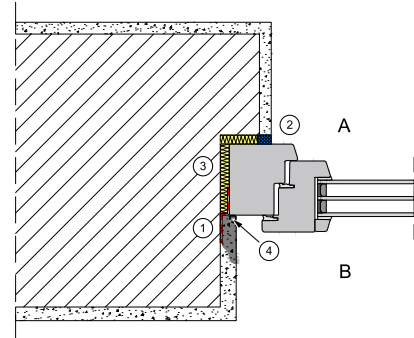


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-102, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead

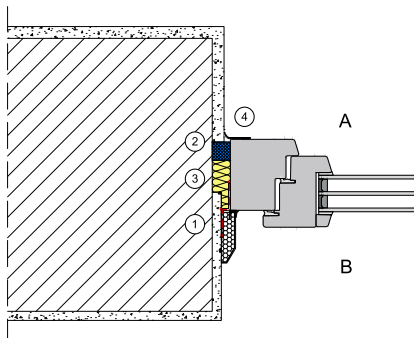
TECHNICAL DATA SHEET



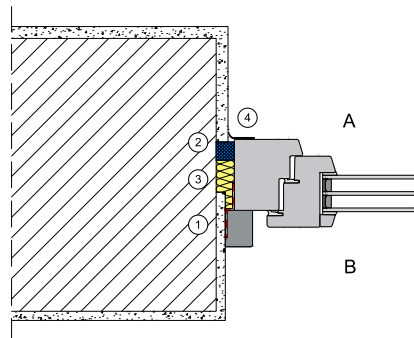
1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-103, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex



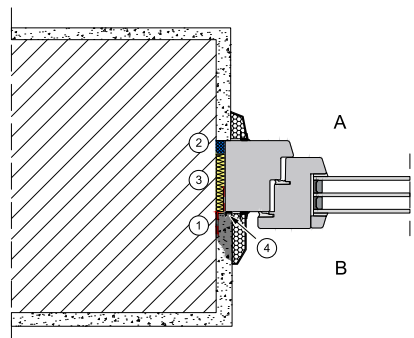
1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-104, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead



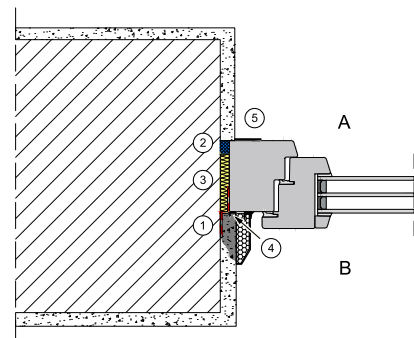
1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-105, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with lip



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-106, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with lip

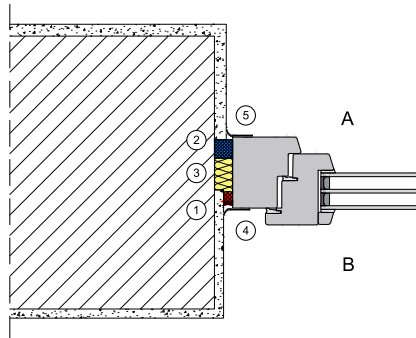


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-107, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Flat strip with lip

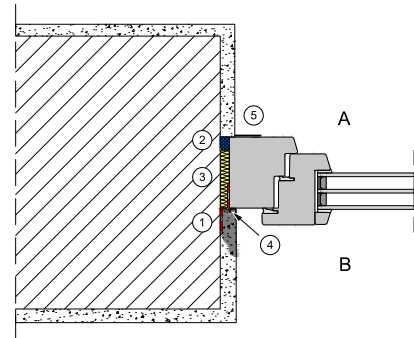


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-108, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Render bead Standard
5. Flat strip with lip

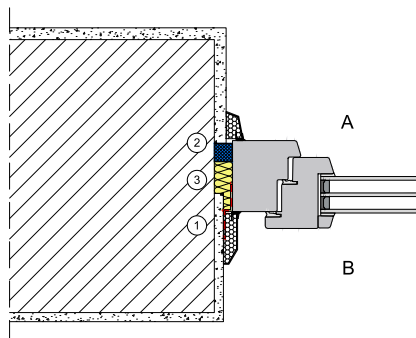
TECHNICAL DATA SHEET



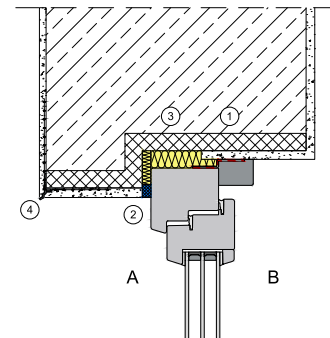
1. PE backfill sealant
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with lip



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-109, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Flat strip with lip

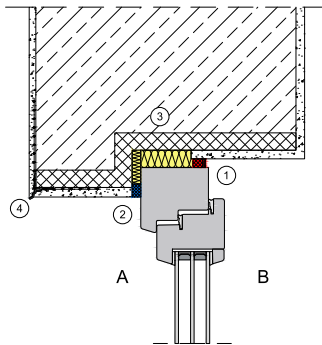


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-110, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex

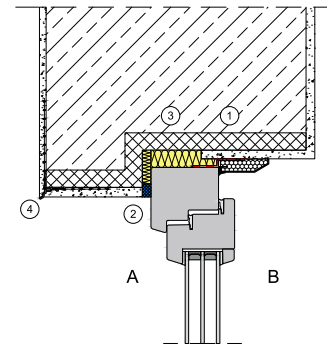


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-111, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Drip edge profile UP

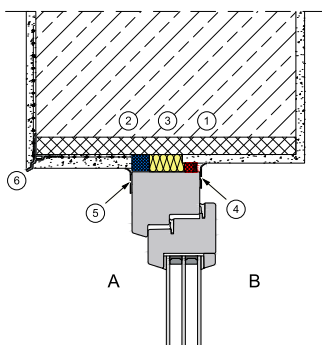
TECHNICAL DATA SHEET



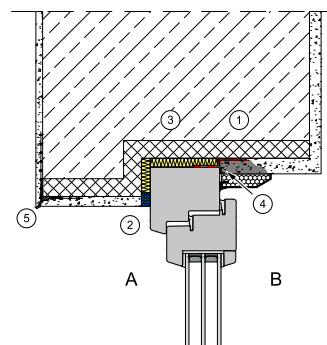
1. PE backfill sealant
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Drip edge profile UP



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-112, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Drip edge profile UP

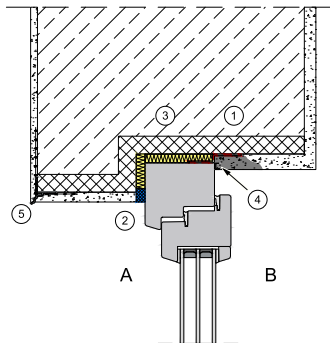


1. PE backfill sealant
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with outer seal, flat strip with seal
5. Drip edge profile UP

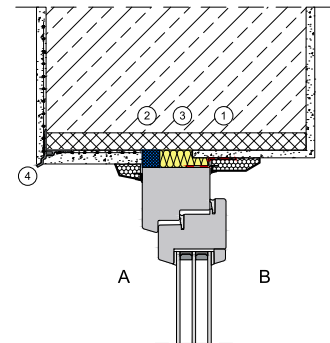


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-113, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Drip edge profile UP

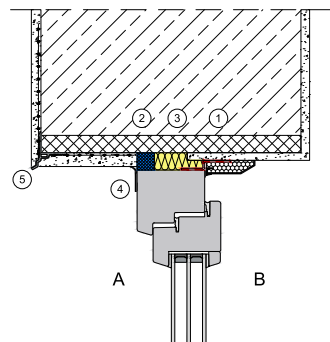
TECHNICAL DATA SHEET



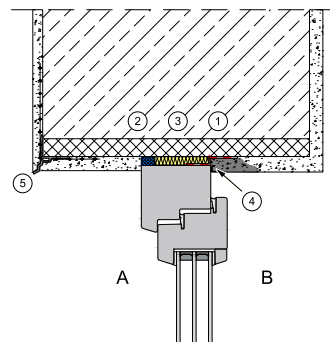
1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-114, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Drip edge profile UP



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-115, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Drip edge profile UP

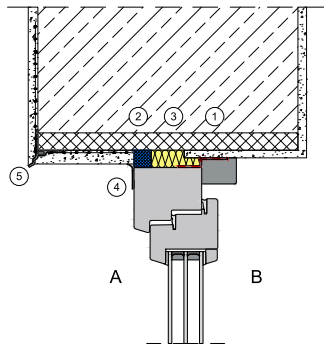


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-116, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with lip
5. Drip edge profile UP

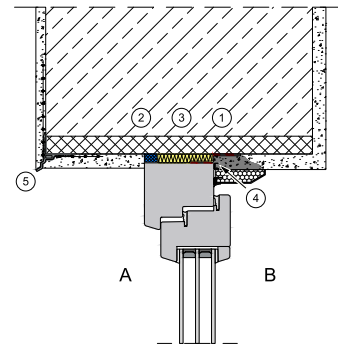


1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-117, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Drip edge profile UP

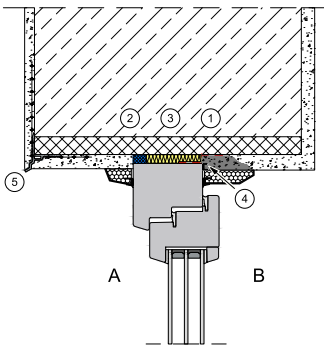
TECHNICAL DATA SHEET



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-118, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Flat strip with lip
5. Drip edge profile UP



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-119, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Drip edge profile UP



1. Window sealing tape Universal Euraseal U-305, window sealing tape Universal Euraseal U-120, window sealing tape inside Euraseal I-300, window sealing tape Universal Euraseal U-300
2. Sealing tape VKP PLUS, sealing tape VKP MAX
3. 1C gun foam PURLOGIC Top, 1C gun foam PURLOGIC Flex
4. Standard render bead
5. Drip edge profile UP

Application area

For insulating and filling window joints, pipe openings, wall openings, wall joints, cavities, refrigerated trucks, walk-in refrigerators, roof finishing, roller shutter boxes and window sills.

Application information

Shake can vigorously 20 times before use. Surfaces must be clean, solid and free from dust and grease. Pre-treat highly absorbent surfaces with PURlogic® universal primer, art. no. 0890 55. Adhesion surfaces must be moistened with water before the foam is applied. Moisten again if several foam beads are applied. Screw the can all the way into the gun support - do not screw too far or tilt. Foam continues to expand after application. Immediately remove fresh splashes of foam with PURlogic® Clean, art. no. 0892 160. Thoroughly clean the gun and valve after use. If you need to interrupt your work, leave the can attached and turn the dosing screw all the way to close and seal the gun. If the gun is not intended to be used for a prolonged period of

TECHNICAL DATA SHEET

time, it needs to be rinsed as follows: Quickly screw the PU foam cleaner with the screw adapter onto the gun. Actuate the outlet until clear liquid comes out. In addition, carefully remove foam residue from the outside of the gun using PU foam cleaner. The contents of the can must be used within 4 weeks.

Proof of performance

Perimeter sealing systems according to ift certification programme QM360: 2014, Reg. no. 188 7050098

EMICODE EC1plus: Very low emissions: The EMICODE classification system distinguishes the environmental and health compatibility of construction products. The lowest-emission products bear the EC1plus mark.

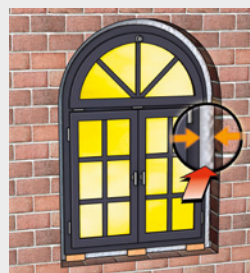
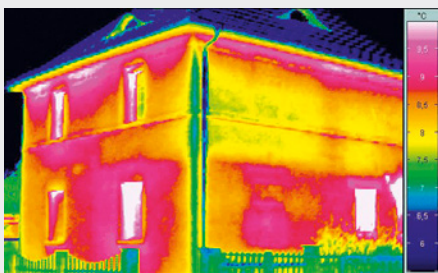


Notice

Meets RAL requirements for middle layer insulation.

Adheres to concrete, stone, hard PVC, metal and wood. Does not adhere to polyethylene, silicone, PTFE and grease. PURLOGIC FLEX can be applied with PURLOGIC Xpress and PURLOGIC. Primer should be applied to porous and absorbent substrates.

Unhardened foam must not come into contact with wet adhesive.



As a result of building movements and length expansions in the event of temperature fluctuations, especially in the case of dark windows, the

risk of thermal bridges arising in the case of polyurethane foams, which are common on the market, is increased. The leaky building connection joint resulting from this can be made visible with thermography – see red areas.

TECHNICAL DATA SHEET

The usage instructions are recommendations based on the tests we have conducted and our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.