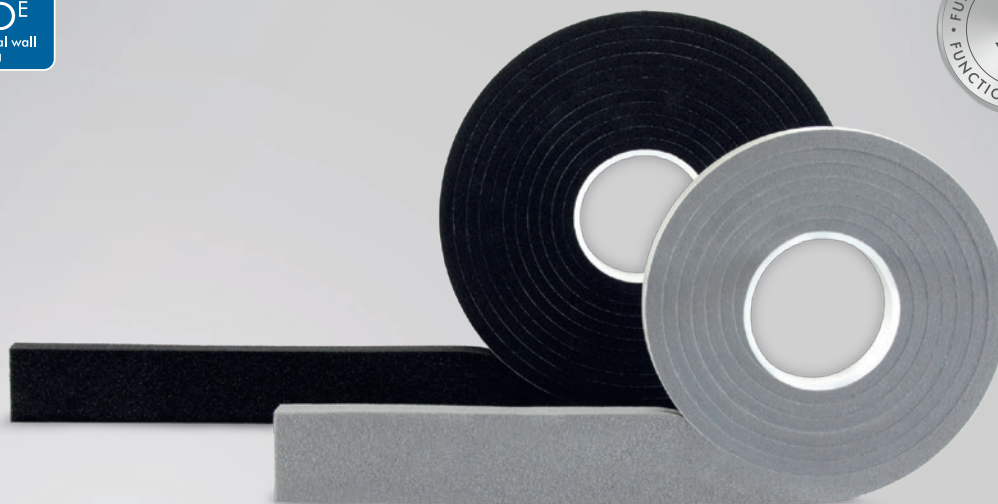


PRODUCT DATA SHEET

ISO-BLOCO 600 PREMIUM EDITION



PRODUCT DESCRIPTION

ISO-BLOCO 600 is a PUR sealing tape impregnated with polymer dispersion. It is specially designed for reliable joint sealing in buildings and façades up to 100 metres high. As a quality-tested BG 1, BG 2 and BGR joint sealing tape, ISO-BLOCO 600 fulfils the stringent requirements of DIN 18542, 2020 edition. In addition to a driving rain tightness of over 600 Pa (equivalent to wind force 11), ISO-BLOCO 600 also has excellent sound and thermal insulation properties.

APPLICATION

A versatile product that has a wide range of uses, but generally for sealing construction joints (including moving joints) in areas such as between prefabricated concrete, skylights, cladding panels, curtain walling and perimeter seals for fenestration (windows / doors). Used in a variety of construction methods and industries including, general construction & civil engineering, steel and / or timber framed buildings and modular construction.

PRODUCT ADVANTAGES

- complies with the DIN 18542 BG 1, BG 2 and BGR
- reliability through a wider joint application range
- seals against wind, dust, driving rain
- vapour diffusion permeable
- good adhesive properties, to aid application
- permanently elastic with long term life expectancy
- can be painted over with standard emulsion paints
- compatible with all known standard building materials
- applications in all construction areas and building types are possible
- also available pre-painted as „COLOUR EDITION“
- constant quality to DIN standards, with regular controls from independent institutions
- externally supervised by ift Rosenheim: for driving rain and air permeability (a-value)
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- 10 years externally supervised outdoor weathering
- 10 Year Function Warranty*

* On the conditions of the manufacturer (available on request).



ISO-BLOCO 600

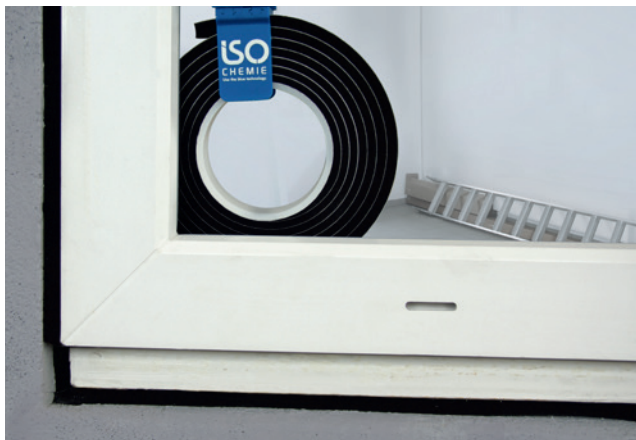
PREMIUM EDITION



ISO-BLOCO 600

COLOUR EDITION

ISO-BLOCO 600 „COLOUR EDITION“, certified to DIN 18542, can be used to achieve stunning effects on building joints. The coloured joint sealing tape can be used to visually accentuate the joints as well as homogeneously match the colour of the joints to the adjacent masonry. In addition, saving the painstaking work of over painting.



Installation example: ISO-BLOCO 600

SERVICE

- standard sizes available from stock
- private label and/or special labelling available
- non-standard widths available on request
- mixed pallets possible
- competent experienced technical support available in the field or by phone

PACKAGING

pre-compressed rolls with one side self-adhesive (to aid installation) in cardboard cartons



INSTALLATION

After unpacking, first remove the leader strip from the roll. Using scissors or a knife cut off the deformed beginning of the tape (approx. 2 cm) to form a square end and install the tape straight away. To do this, peel back the cover strip approx. 10–20 cm to expose the self-adhesive side of the tape. Press the self-adhesive side by hand or with a trowel against the surface of the window frame or construction joint. Take care not to stretch the tape. Continue to peel off the cover strip as work progresses. When cutting the tape to size, oversize by about 1 cm per metre to compensate for accidental stretching. Always set the tape back at least 1–3 mm from the joint edge. After expansion, the tape fills the joint making it self-supporting. Any gentle unevenness along the joint will be accommodated for by the elasticity of the joint sealing tape. The specified joint widths should not be exceeded. For further information, please refer to the ISO-BLOCO installation instructions and the specifications from the RAL “Guidelines for installation” in the currently valid versions.

REQUIREMENTS ACCORDING TO DIN 18542

- Joint sealing tapes of stress group **BG 1** have the highest protection against driving rain and weathering and may be used in joints of building envelopes and in the area of building elements without additional covering.
- Joint sealing tapes in stress group **BG 2** have a driving rain tightness of 300 Pa and should not be exposed to direct weathering. After installation, they should be covered to protect them from UV radiation and direct weathering.
- Joint sealing tapes that are tested in accordance with stress group **BGR** have an airtightness with an α -value $\leq 0,1 \text{ m}^3 / \text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}$ for the internal airtight sealing of joints in accordance with DIN 4108-7 and the Building Energy Act.

PRODUCT DATA SHEET

ISO-BLOCO 600 PREMIUM EDITION

Tape width / area of application	Recommended joint width**			Roll (metres)	Rolls / Carton	Carton (metres)
	BG 1	BG 2	BGR			
8 / 1 – 2 mm	1 – 2 mm	1 – 4 mm	checked ✓	20,0	37	740,0
10 / 1 – 2 mm					30	600,0
15 / 1 – 2 mm					20	400,0
20 / 1 – 2 mm					15	300,0
10 / 1 – 4 mm	1 – 4 mm	1 – 5 mm	checked ✓	13,0	30	390,0
15 / 1 – 4 mm					20	260,0
20 / 1 – 4 mm					15	195,0
30 / 1 – 4 mm					10	130,0
12 / 2 – 6 mm	2 – 6 mm	2 – 8 mm	checked ✓	12,0	25	360,0
15 / 2 – 6 mm					20	240,0
20 / 2 – 6 mm					15	180,0
30 / 2 – 6 mm					10	120,0
15 / 4 – 9 mm	4 – 9 mm	4 – 11 mm	checked ✓	8,0	20	160,0
20 / 4 – 9 mm					15	120,0
30 / 4 – 9 mm					10	80,0
40 / 4 – 9 mm					7	56,0
15 / 5 – 12 mm	5 – 12 mm	5 – 15 mm	checked ✓	5,6	20	112,0
20 / 5 – 12 mm					15	84,0
30 / 5 – 12 mm					10	56,0
40 / 5 – 12 mm					7	39,2
15 / 6 – 15 mm	6 – 15 mm	6 – 19 mm	checked ✓	4,3	20	86,0
20 / 6 – 15 mm					15	64,5
30 / 6 – 15 mm					10	43,0
40 / 6 – 15 mm					7	30,1
20 / 9 – 20 mm	9 – 20 mm	9 – 25 mm	checked ✓	6,6	15	99,0
25 / 9 – 20 mm					12	79,2
30 / 9 – 20 mm					10	66,0
40 / 9 – 20 mm					7	46,2
25 / 11 – 25 mm	11 – 25 mm	–	checked ✓	5,2	12	62,4
30 / 11 – 25 mm					10	52,0
40 / 11 – 25 mm					7	36,4
35 / 18 – 34 mm	18 – 34 mm	–	–	3,3	8	26,4
40 / 18 – 34 mm					7	23,1
40 / 24 – 42 mm	24 – 42 mm	–	–	2,6	7	18,2
50 / 24 – 42 mm					6	15,6

** Movement in structural elements and temporary longitude changes are to be taken into account by the max. joint width.
If you have any questions about the areas of the application, please send an e-mail to: technik@iso-chemie.de

EXTRA LONG RUNNING LENGTHS

The roll lengths for the joint dimensions 9–20 and 11–25 mm have been adapted to the requirements on the construction site and are now produced in extra-long running lengths. This results in less waste and significantly increases installation efficiency.

ADVANTAGES OF EXTRA LONG LENGTHS

- Significantly fewer tape joints
- Less waste due to fewer tape joints
- Quicker processing
- Easier handling
- Improved appearance of joints
- Reduced risk of leakage at the tape joints

ISO-BLOCO 600

PREMIUM EDITION

Technical data	Standard	Classification according to DIN 18542		
		BG 1	BG 2	BGR
Material description		impregnated PUR flexible foam		
Basis		fire resistant polymeric dispersion		
Colour		grey, black	grey, black	grey, black
Air permeability coefficient ift externally supervised	DIN EN 12114	$\alpha < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$	$\alpha < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$	$\alpha < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$
Impermeable to driving rain, single joint, ift externally supervised	DIN EN 1027	$\geq 600 \text{ Pa}$	$\geq 300 \text{ Pa}$ for BG 2 joint width	$\geq 600 \text{ Pa}$
Impermeable to driving rain, joint intersection	DIN EN 1027	$\geq 600 \text{ Pa}$	–	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30°C to +90°C	-20°C to +60°C	-30°C to +90°C
UV light and weather stability	DIN 18542	requirements fulfilled	–	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled	requirements fulfilled	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled	requirements fulfilled	requirements fulfilled
Building material class	DIN 4102-1	B1 (fire resistant)	B2	B1 (fire resistant)
Fire behaviour	DIN EN 13501-1	–	E (flammable)	–
Thermal conductivity	DIN EN 12667	$\lambda = 0,043 \text{ W/m} \cdot \text{K}$	$\lambda = 0,043 \text{ W/m} \cdot \text{K}$	$\lambda = 0,043 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance μ	DIN EN ISO 12572	≤ 100	≤ 100	≤ 100
Long term stability		10 year performance guarantee*		
ETA - 07/0072		CE mark since 2007	CE mark since 2007	CE mark since 2007
sd-value	DIN EN ISO 12572	$\leq 0.5 \text{ m}$ for 50 mm width (vapour diffusion permeability)		
Shelf life		2 years, dry and in original packing		
Storage temperature		+1°C to +20°C	+1°C to +20°C	+1°C to +20°C

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.