



FOAM Sealant

ISO 9001:2015 CERTIFIED

DATA SHEET

ISO-BLOCO

600 PREMIUM EDITION

FEATURES & BENEFITS

- complies with the DIN 18542 BG1 / BGR and DIN 18055
- 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 EN ISO 9001 and DIN standards, with regular controls from independent institutions
- externally supervised by ift Rosenheim: for driving rain and air permeability (a-value)
- complies with EnEV requirements 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)

Product Description

ISO-BLOCO 600 is a PUR sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings up to 100 m high, in accordance with DIN 18055.

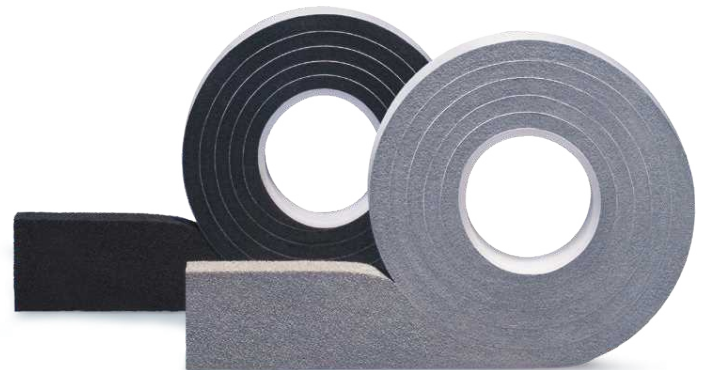
ISO-BLOCO 600 fulfils the stringent requirements of the DIN 18542 edition 2009. In addition to providing protection against driving rain to a minimum of 600 Pa (equivalent to wind force 11 – Violent Storm) the vapour permeable joint sealing tape also possesses outstanding thermal and acoustic characteristics, as well as allowing for diurnal movement.

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.

Packaging

- pre-compressed rolls with one side self-adhesive (to aid installation) in cardboard cartons
- standard sizes available from stock
- private label and / or special labelling available



Disclaimer. All figures shown above represent typical test results in laboratory conditions, and are given without guarantee since the conditions of use are beyond the control of our company. It is the customer's responsibility to satisfy themselves that the product is fit for the purpose for which they intend to use it and that the actual conditions of use are suitable.

Limited Warranty. For a period of six months from the date of first sale, FOAM Sealant Pty Ltd warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving to be defective, or at our option, to refund the purchase price thereof. The user assumes all other risk if any, including the risk of injury, loss or damage, direct or consequential arising out the use, misuse or inability to use this product. This warranty is in lieu of the warranties of merchantability, fitness for particular purpose and all other warranties expressed or implied. No deviation is authorised.

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Technical data	Standard	Classification
Material description		impregnated PUR flexible foam
Basis		fire resistant polymeric dispersion
Colour		grey, black
Classification, according to	DIN 18542	BG 1 and BGR
Airtightness (External application BG 1)	DIN EN 12114	$a < 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ ift externally supervised
Airtightness (Internal application BG R)	DIN EN 12114	$a < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ ift externally supervised***
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 600 \text{ Pa}$, externally supervised by ift Rosenheim
Impermeable to driving rain, joint intersection	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30 °C to +90 °C
UV light and weather stability	DIN 18542	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled
Building material class	DIN 4102	B1 (fire resistant)
Thermal conductivity	DIN EN 12667	$\lambda = 0.043 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance μ	DIN EN ISO 12572	≤ 100
Long term stability		10 year performance guarantee*
ETA - 07/0072		CE mark since 2007
sd-value	DIN EN ISO 12572	$\leq 0.5 \text{ m}$ for 50mm width (vapour diffusion permeability)
Shelf life		2 years, dry and in original packing
Storage temperature		+1 °C to +20 °C

Tape width / area of application	Recommended BG 1 joint width **	Carton (metres)
8 / 1 – 2 mm		740.0
10 / 1 – 2 mm	1 – 2 mm	600.0
15 / 1 – 2 mm		400.0
10 / 1 – 4 mm		390.0
15 / 1 – 4 mm	1 – 4 mm	260.0
20 / 1 – 4 mm		195.0
10 / 2 – 6 mm		360.0
15 / 2 – 6 mm	2 – 6 mm	240.0
20 / 2 – 6 mm		180.0
10 / 4 – 9 mm		240.0
15 / 4 – 9 mm	4 – 9 mm	160.0
20 / 4 – 9 mm		120.0
12 / 5 – 12 mm		140.0
15 / 5 – 12 mm	5 – 12 mm	112.0
20 / 5 – 12 mm		84.0
15 / 6 – 15 mm		86.0
20 / 6 – 15 mm	6 – 15 mm	64.5
30 / 6 – 15 mm		43.0
20 / 9 – 20 mm		49.5
25 / 9 – 20 mm	9 – 20 mm	39.6
30 / 9 – 20 mm		33.0
25 / 11 – 25 mm		31.2
30 / 11 – 25 mm	11 – 25 mm	26.0
35 / 18 – 34 mm		26.4
40 / 18 – 34 mm	18 – 34 mm	23.1
40 / 24 – 42 mm		18.2
50 / 24 – 42 mm	24 – 42 mm	15.6



1SO-BLOCO 600 COLOUR EDITION

ISO-BLOCO 600 "COLOUR EDITION" makes it possible to achieve stunning colour effects with structural joints in buildings up to 100 m high, saving the painstaking work of over painting. The product's excellent properties retain all the proven benefits of pre-compressed joint sealing tapes and BG1 certification, which is proof that the permanently elastic tape can be used in external joints that are directly exposed to the weather.



Alternative dimensions available on request.

** Movement in structural elements and temporary longitude changes are to be taken into account by the max. joint width.
 *** In BGR tested gap dimensions.