

EFFISUS SEALEXPAND XTRA600 TAPE

DESCRIPTION

The Effisus SealExpand XTRA600 Tape, according to DIN standard 18542 BG1, is a sealing tape consisting of impregnated foam. It serves for the primary sealing of seams and junctions directly exposed to weather. It is sound and heat absorbing, in addition to sealing against wind, dust and spray water, thereby reducing energy costs immediately and maintaining the value of the building structure.

TECHNICAL DATA

Technical data	Standard	Classification
Material description		Polyurethane flexible foam
Impregnant		Special flame-resistant acrylate
Colour		Grey, Black
Joint permeability (a-value)	DIN EN 12114	$a \leq 0.1 \text{ m}^3 / (\text{h.m.}(\text{daPa})\text{n})$
Air tightness	DIN EN 12114	$a \leq 0.1 \text{ m}^3 / (\text{h.m.}(\text{daPa})\text{n})$
Driving rain resistance	DIN EN 1027	DIN 18542 BG1 $\geq 600 \text{ Pa}$
Temperature-change resistance	DIN 18542 BG1	-30°C to +90°C
Compatibility with other building materials	DIN 18542 BG1	Requirements fulfilled
Construction material class / reaction to fire	DIN 4102-1	B1 (low flammability) ABP-No. P-NDS04-850
Water vapour permeability, sd-value	EN ISO 12572	< 0.5m
Joint sound absorption, ift regulations	SC-01/2 2002-09	RST,w,max = 59 dB
Thermal conductivity	DIN 52612	$\Lambda_{10, \text{tr}} = 0,0540 \text{ W}/(\text{m.K})$
Resistance against salt solutions and alkaline liquids	BRL-K407 / D2	Requirements fulfilled according to regulations
Storage time		2 years at room temperature <20°C in original packaging

OTHERS

Applications

Window construction, interior construction
 Façade engineering (including natural stone)
 Thermo insulation composite system, latticework, wood and metal construction
 Pre-fabricated housing, container and roof construction (e.g. wind-tight bonding of foil), noise protection, etc.

Colour / Delivery forms

grey, black
 pre-compressed onto a roll
 not pre-compressed in strips of 2,00 m

OTHERS

Characteristics*

Compatible with adjoining building materials according to DIN 18542 BG1
 Driving rain resistant ³ 600 Pa, open to vapour diffusion according to DIN 18542 BG1
 Temperature-change resistance tested according to DIN 18542 BG1
 Resistant to the effects of light and moisture acc. DIN 18542 BG1
 Reaction to fire according to DIN 4102-1 B1, ABP-Nr. P-NDS04-850
 Consistent quality guaranteed through regular third-party- and self-monitoring (MPA Bau Hannover, ift Rosenheim)

Product advantages*

Sound and heat absorbing
 Seals against wind, dust and driving rain controlled expanding behavior

* The characteristics are partially dependent on the amount of pressure applied. See separate handling and laying instructions.

Dimension joint depth x width	Recommended joint width*	(metres) carton
8 / 1 - 2	1-2 mm	1800
10 / 1 - 2		1440
15 / 1 - 2		960
10 / 1 - 4	1-4 mm	864
15 / 1 - 4		576
20 / 1 - 4		432
15 / 2 - 6	2-6 mm	512
20 / 2 - 6		384
30 / 2 - 6		256
15 / 4 - 9	4-9 mm	384
20 / 4 - 9		288
30 / 4 - 9		192
15 / 5 - 12	5-12 mm	256
20 / 5 - 12		192
30 / 5 - 12		128
15 / 6 - 15	6-15 mm	256
20 / 6 - 15		192
30 / 6 - 15		128
20 / 9 - 20	9-20 mm	96
30 / 9 - 20		64
25 / 11 - 25	11-25 mm	38
30 / 11 - 25		32

Alternative dimensions available on request. Dimensional tolerance according to DIN 7715 P3.

Version

V 1.1 – AP – 01/09/2016

EFFISUS SEALEXPAND XTRA450 TAPE

DESCRIPTION

The Effisus SealExpand XTRA450 Tape is a joint sealing tape consisting of impregnated foam. It is utilized in the interior and exterior sealing of joints and connections against driving rain tested up to even 450 pa in window construction, as well as the entire sector of building construction. Due to its special properties, it is particularly useful for the coupling in window frames. The simple installation enables a fast and efficient sealing, even with complicated connections

TECHNICAL DATA

Technical data	Standard	Classification
Material description		Polyurethane flexible foam
Impregnant		Special flame-resistant acrylate
Colour		Grey, Black
Joint permeability (a-value)	DIN EN 12114	
Driving rain resistance	DIN EN 1027	DIN 18542 BG2 up to 450Pa
Temperature-change resistance	DIN 18542 BG1	-30°C to +90°C
Compatibility with other building materials	DIN 18542 BG1	Requirements fulfilled
Construction material class / reaction to fire	DIN 4102-1	B2 (normal flammability) ABP-No. P-NDS04-850
Water vapour permeability, sd-value	EN ISO 12572	< 0.5m
Storage time		2 years at room temperature <20°C in original packaging

OTHERS

Applications

Window and interior construction
 Façade engineering, wood and metal construction
 Concrete and dry-walling
 Pre-fabricated housing, container and roof construction etc.

Colour / Delivery forms

Grey, black
 Pre-compressed onto a roll

Characteristics*

Reaction to fire according to DIN 4102-1 B2, ABP-Nr. P-NDS04-1045
 Open to water vapour diffusion acc. to DIN 18542 BG2

OTHERS

Product advantages*

Seals against driving rain, wind, dust and water spray
 Heat and sound absorbing
 Controlled expanding behaviour

* The characteristics are partially dependent on the amount of pressure applied. See separate handling and laying instructions.

Processing

The joint edges need to run parallel. Measure the width of the joints and choose the appropriate tape size in compliance with the joint tolerance determined and any joint movement (if necessary use several tape sizes). As far as the joint depth is concerned, please note that the tape has to be laid inwards by 2 mm from the front edge of the joint for safety reasons. If installed in joints underlying particularly high strains (parking decks, sewage plants, bridge construction, etc) please provide us with the appropriate details, so that we may provide you with the corresponding technical support.

Dimension joint depth x width	Recommended joint width*	(metres) carton
10/2-3	2-3	864
15/2-3		576
10/3-5	3-5	864
15/3-5		576
10/3-6	3-6	768
15/3-6		512
15/4-8	4-8	384
20/4-8		288
15/5-10	5-10	384
20/5-10		288
15/7-12	7-12	320
20/7-12		240
25/9-15	9-15	152
30/9-15		128
25/10-18	10-18	-
30/10-18		-
30/14-24	14-24	-
40/14-24		-

Alternative dimensions available on request. Dimensional tolerance according to DIN 7715 P3.

Version

V 1.1 – AP – 01/09/2016