

Effisus SealExpand XTRA600

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.



Effisus SealExpand XTRA600

Technical data

Essential characteristics	Method	Result
Material description	-	Polyurethane flexible foam
Impregnant	-	Special flame-resistant acrylate
Colour	-	Grey, Black
Joint permeability (a-value)	DIN EN 12114	$a \leq 0.1 \text{ m}^3/(\text{h}\cdot\text{m}\cdot(\text{daPa})^n)$
Airtightness	DIN EN 12114	$a \leq 0.1 \text{ m}^3/(\text{h}\cdot\text{m}\cdot(\text{daPa})^n)$
Driving rain resistance	DIN EN 1027	DIN 18542 BG1 $\geq 600 \text{ Pa}$
Temperature-change resistance	DIN 18542 BG1	-20°C to +80°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	$< 0.5 \text{ m}$
Joint sound absorption, ift regulations	SC-01/2 2002-09	RST,w,max = 59 dB
Thermal conductivity	DIN 52612	$\lambda = 0,046 \text{ W}/(\text{m}\cdot\text{K})$
Heat transfer coefficient at a tape width of 75 mm	DIN EN 12667	U-value = 0.56 W/(m ² ·K)
Resistance against salt solutions and alkaline liquids	BRL-K407 / D2	Requirements fulfilled according to regulations
Storage time	-	1 year at room temperature $< 20^\circ\text{C}$ 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

Characteristics¹⁾

Compatible with adjoining building materials according to DIN 18542 BG1

Driving rain resistant ≥ 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 advantages¹⁾

Sound and heat absorbing

Seals against wind, dust and driving rain

Controlled expanding behavior

10 years functional guarantee according to manufacturer's conditions²⁾

¹⁾The characteristics are partially dependent on the amount of pressure applied. See separate handling and laying instructions.

²⁾The manufacturer's conditions are available upon request.

Dimension joint depth x width (mm)	Recommended joint width*	(metres) carton
8 / 1 - 2		1800
10 / 1 - 2	1-2 mm	1440
15 / 1 - 2		960
10 / 1 - 4		864
15 / 1 - 4	1-4 mm	576
20 / 1 - 4		432
15/ 2 - 6		512
20 / 2 - 6	2-6 mm	384
30/ 2 - 6		256
15 / 4 - 9		384
20 / 4 - 9	4-9 mm	288
30 / 4 - 9		192
15 / 5 - 12		256
20 / 5 - 12	5-12 mm	192
30 / 5 - 12		128
15 / 6 - 15		256
20 / 6 - 15	6-15 mm	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
35 / 18-34	18-34 mm	26,4
40 / 18-34		23,1
40 / 24-42	11-25 mm	18,2
50 / 24-42		15,6

*Alternative dimensions available on request

Dimensional tolerance according to DIN 7715 P3.