



Product Description

Norton-Xpand™ PU600 is a PUR sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings up to 328 ft (100m) high, in accordance with DIN 18055.

Norton-Xpand™ PU600 fulfils the stringent requirements of the DIN18542 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 acoustical characteristics, as well as allowing for thermal and expansion movement.

Service

- Standard sizes available from stock
- Private label and/or special labelling available
- Non standard lengths and widths available on request
- Competent experienced technical support available in the field and by phone

Packaging

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

Product Advantages

- Complies with the DIN 18542 BG1 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
- Thermal and acoustic insulation
- Can be painted over with standard emulsion paints
- Compatible with all known standard building materials
- Applications in all construction areas and building tapes are possible
- Constant quality to DIN EN ISO9001 & DIN standards, with regular controls from independent institutions
- Externally supervised by ift Rosenheim: for driving rain and air permability (a-value)
- 10 year- performance guarantee*

Norton-Xpand PU600 PUR Sealing Tape

Applications

A versatile product that has a wide range of uses, but generally for sealing construction joints (including moving joints) in areas such as :

- Prefabricated concrete, and other material, elements (incl. civil engineering)
- Perimeter seals for fenestration (windows/doors)
- Skylights
- Cladding panels
- Curtain walling

Used in a variety of construction methods and industries including :

- General construction & civil engineering
- Steel and/or timber framed buildings
- Modular construction & other MMC types

Norton-Xpand™ PU600

	Standard	Classification
Material description		Impregnated PUR flexible foam
Impregnant		Fire resistant polymeric dispersion
Colour		Grey, Black
Classification, according to	DIN 18542	BG1
Air permeability coefficient	DIN EN 12114	$a \leq 1,0 \text{ m}^3/(\text{h.m.}(\text{daPa})^0)$ ift externally supervised
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 600\text{Pa}$ externally supervised ift Rosenheim
Impermeable to driving rain, joint intersection	DIN EN 1027	$\geq 600\text{Pa}$
Temperature stability range	DIN 18542	-22 to +194°F (-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) P-261 30843-ift
Thermal conductivity	DIN EN 12667	$\lambda = 0,052 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance	DIN EN ISO 12572	$\mu \leq 100$
Long term stability		10 year performance guarantee *
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 packaging
Storage temperature		33 to 68°F (+1°C to +20°C)

Dimension joint - Depth x Width inch	mm	Recommended joint width **	Ft (meters) carton
.31 / .04 - .08	8 / 1 - 2	.04 - .08"	2428 (740)
.39 / .04 - .08	10 / 1 - 2	1 - 2 mm	1968 (600)
.59 / .04 - .08	15 / 1 - 2		1312 (400)
.39 / .04 - .16	10 / 1 - 4	.04 - .16"	1280 (390)
.59 / .04 - .16	15 / 1 - 4	1 - 4 mm	853 (260)
.79 / .04 - .16	20 / 1 - 4		640 (195)
.59 / .08 - .24	15 / 2 - 6	.08 - .24"	787 (240)
.79 / .08 - .24	20 / 2 - 6	2 - 6 mm	590 (180)
1.18 / .08 - .24	30 / 2 - 6		394 (120)
.59 / .16 - .35	15 / 4 - 9	.16 - .35"	524 (160)
.79 / .16 - .35	20 / 4 - 9	4 - 9 mm	394 (120)
1.18 / .16 - .35	30 / 4 - 9		262 (80)
.59 / .20 - .47	15 / 5 - 12	.20 - .47"	367 (112)
.79 / .20 - .47	20 / 5 - 12	5 - 12 mm	276 (84)
1.18 / .20 - .47	30 / 5 - 12		184 (56)
.59 / .24 - .59	15 / 6 - 15	.24 - .59"	282 (86)
.79 / .24 - .59	20 / 6 - 15	6 - 15 mm	212 (64,5)
1.18 / .24 - .59	30 / 6 - 15		141 (43)
.79 / .35 - .79	20 / 9 - 20	.35 - .79"	162 (49,5)
.98 / .35 - .79	25 / 9 - 20	9 - 20 mm	130 (39,6)
1.18 / .35 - .79	30 / 9 - 20		108 (33)
.98 / .43 - .98	25 / 11 - 25	.43 - .98"	102 (31,2)
1.18 / .43 - .98	30 / 11 - 25	11 - 25 mm	85 (26,0)
1.38 / .71 - 1.34	35 / 18 - 34	.71 - 1.34"	87 (26,4)
1.57 / .71 - 1.34	40 / 18 - 34	18 - 34 mm	74 (23,1)
1.57 / .94 - 1.65	40 / 24 - 42	.94 - 1.65"	60 (18,2)
1.97 / .94 - 1.65	50 / 24 - 42	24 - 42 mm	51 (15,6)

Sealing System

- 10 year performance guarantee*
- Tested in accordance with state-of-the-art technology
- Complies with the principles of the RAL-window installation instructions
- Fulfils the requirements of the energy saving regulations (EnEV)

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

Alternative dimensions available upon request.

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

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