

**PANDSER® MULTITOP ST PLUS**


Construction membrane  
for installation on  
the cold side.

**GENERAL**

Pandser® Multitop ST Plus is a three-layer watertight (W1) and breathable membrane, composed of two layers of Polypropylene with the functional microporous film in between. This membrane is provided with a double-sided integrated adhesive strip, so that the application of the Pandser® Multitop tape at the overlaps is not required. Pandser® Multitop ST Plus complies with the European standard EN 13859-1 & EN 13859-2.

Pandser® Multitop ST plus is available in the following dimensions:

Dimensions	Article number	EAN-code
1,50 x 50 meters	DWF10150-1055	8713331013824

**APPLICATION**

Pandser® Multitop ST Plus is used as a watertight, vapor open layer on the cold side (usually the exterior) of roof and wall structures in new buildings and renovation. In roofs and walls, Pandser® Multitop ST Plus can be applied directly to hard and soft surfaces. If there is no hard roof boarding (e.g. OSB), a maximum center-to-center distance of the beams of 45 cm must be taken into account. For a larger center-to-center distance (nominal 60 cm), we recommend applying Pandser® Multitop XS.

**PRODUCT PROPERTIES**


Roof



Hard surface



Maximum period of application 3 months



Vapour open



Facade



Soft surface



Bears weight of one person



Waterproof

Essential characteristics	
Mass per unit area	130 gr/m <sup>2</sup>
Reaction to fire [class]	E
Resistance to water penetration [class]	W1
Water vapour resistance (Sd)	0,02 [m] (-0,005/+0,02)
Tensile strength before artificial ageing	280 [N/50mm] (-80/+80) – MD 190 [N/50mm] (-60/+60) – CD
Tensile strength after artificial ageing	250 [N/50mm] (-55/+55) – MD 160 [N/50mm] (-35/+35) – CD
Elongation before artificial ageing	70 [%] (-45/+45) – MD 110 [%] (-55/+55) – CD
Elongation after artificial ageing	50 [%] (-25/+25) – MD 50 [%] (-30/+30) – CD
Resistance to tearing	135 [N] (-45/+45) – MD 170 [N] (-60/+70) – CD
Flexibility at low temperature	-40 [°C]

## INSTALLATION

Lay the membrane in an imbricated pattern, whereby the horizontal overlaps should be at least 150 mm. For roof pitches <22 ° an overlap of 200mm is recommended. Minimum possible roof pitch is 18 °. The membrane should be attached to the structure using stainless steel staples (min. length 8 mm) and then counter battens should be applied over the staples. Stick overlaps by positioning the integrated double-sided adhesive strips on top of each other. Always apply Pandser® Multitop ST Plus with the printed side legible from the outside. On roof gradients between 18° and 22°, Pandser® Nageldichtband should be applied under the counter battens. It is recommended to avoid vertical connections. Place any vertical overlaps between a batten/counter batten and an underlying rib/ post or glue the overlaps. If the roof pitch is > 22 °, maintain a width of the overlap of at least the rib /post width, whereby this must protrude at least one width of the counter batten. If 18 ° > roof pitch <22 °: the vertical seam must be applied under the batten, whereby the Pandser® Nail Sealing Tape is adhered over the middle of the seam and then the batten is applied to it. At corners, the membrane should be continued to the next upright and then attached to it with staples and, if necessary, a counter batten. Apply the membrane at the roof base in such a way that any leakage water disappears into the gutter. Immediately repair any damage to the membrane using Pandser® Multitop tape. Adhere joining using Pandser® doublesided tape, Pandser® butyl tape or Pandser® foil adhesive. Cover the membrane as soon as possible after application (within the mentioned open working time). Protect the membrane from direct exposure to wood impregnation agents. Avoid laying the membrane directly on freshly impregnated elements in any circumstances.

## RELATED PRODUCTS

Productname	Dimensions	Articlenumber	EAN-code
Pandser® Multitop spinvlies tape	0,06 x 25 meters	VPM10300-9030	8713331000275
Pandser® Butyltape	0,02 x 15 meters	VPM10300-9040	8713331028842
Pandser® Nageldichtband 3 mm	0,06 x 30 meters	VPM10300-9070	8713331015354