DASATOP®

Retrofit vapour control membrane for 'sub-and-top' installation from the outside



Technical data

	Material
Protective and covering fleece	Polypropylene
Functional film	Polyethylene copolymer

Property	Regulation	Value
Colour		Green
Surface weight	EN 1849-2	100 g/m² ; 0.33 oz/ft²
Thickness	EN 1849-2	0.25 mm ; 10 mils
Water vapour resistance factor μ	EN 1931	6 400
sd value	EN 1931	1.60 m
sd value, humidity-variable	EN ISO 12572	0.05 - 2 m
g value	EN 1931	8 MN·s/g
g value, humidity-variable	EN ISO 12572	0.25 - 10 MN·s/g
Vapour permeance	ASTM E 96	2 perms
Vapour permeance, humidity-variable	EN ISO 12572	1.6 - 66 perms
Reaction to fire classification	EN 13501-1	E
Outdoor exposure		4 weeks
Watertightness to liquid water	EN 1928	W1
Water column	EN ISO 811	> 1 500 mm ; > 4' 11"
Airtightness	EN 12114	Tested
Tensile strength MD/CD	EN 12311-2	195 N/5 cm / 105 N/5 cm ; 22 lb/in / 12 lb/in
Elongation MD/CD	EN 12311-2	90% / 90%
Nail tear-resistance MD/CD	EN 12310-1	110 N / 105 N ; 25 lbf / 24 lbf
Durability after artificial ageing	EN 1296 / EN 1931	Passed
Temperature resistance, permanent	EN 1109, EN 1296, EN 1297	-40 °C to 80 °C ; -40 °F to 176 °F
Thermal conductivity		0,04 W/(m·K) ; 0,3 BTU·in/(h·ft²·°F)
CE labelling	EN 13984	Yes

Areas of application

Suitable as a 'sub-and-top' vapour control (alternate terms: vapour check or retarder) membrane and airtight membrane for all structures with diffusion-open roofing underlay membranes (e.g. SOLITEX). If the roofing underlay membrane is installed onto sheathing, the maximum permitted s_d value of the underlay is 0.2 m (maximum g value: 1 MN·s/g ; minimum perm rating: 16.4 US perms). Also suitable in combination with wood-fibre underlay panels and MDF panels, and with fleece-laminated foam insulation materials (PUR, PIR, EPS etc.) with a thickness of 50 mm (2") and greater.

Supply forms

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
10094	50 m	1.5 m	75 m²	7 kg	1	20	4026639011206
10723	50 m	3 m	150 m²	14 kg	1	20	4026639011978

Advantages

- ✔ Best possible reliability thanks to 'sub-and-top' installation
- ✔ Protects building structures: humidity-variable s_d value allows for installation into the spaces between rafters and over the tops of the rafters
- ✔ Time-saving installation: no adhesion to rafters required
- ✔ Can be installed with or without additional external insulation
- ✔ Easy to work with: particularly robust thanks to fleece reinforcement
- ✔ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

General conditions

DASATOP is to be installed with the printed side facing the installation technician. It is to be installed horizontally (parallel to the eave). Alternatively, it can be installed parallel to the rafters if adhesion to the rafters is carried out in a waterproof manner. The weight of the insulation material must be supported by suitable interior cladding or cross battens at a separation distance of a maximum of 25 cm (10″).

To avoid condensation formation, the thermal insulation should be installed immediately after airtight installation of DASATOP. This applies particularly to work carried out in winter.

DASATOP may only be installed on dry building sites. If plastering or screed-laying work is to be carried out as part of renovation projects, these must be completed long in advance of the installation of DASATOP.

Airtight seals can only be achieved on vapour control (alternate terms: vapour check or retarder) membranes that have been fitted with no folds or creases.

If blown-in insulation is used, DASATOP must be installed directly onto the entire area of the inner cladding.

NBS

Tested for hazardous substances according to ISO 16000

CE 07 EN 13984

UK CA

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The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

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