DASATOP®

Refurbishment 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	BS EN 1849-2	100 g/m²
Thickness	BS EN 1849-2	0.25 mm ; 10 mils
Water vapour resistance factor μ	BS EN 1931	6 400
sd value	BS EN 1931	1.60 m
sd value, humidity-variable	BS EN ISO 12572	0.05 - 2 m
g value		8 MN·s/g
g value, humidity-variable		0.25 - 10 MN·s/g
Fire class	BS EN 13501-1	E
Outdoor exposure		4 weeks
Watertightness to liquid water	BS EN 1928	W1
Water column	BS EN ISO 811	> 1 500 mm
Airtightness	BS EN 12114	Tested
Tensile strength MD/CD	BS EN 12311-2	195 N/5 cm / 105 N/5 cm ; 22 lb/in / 12 lb/in
Elongation MD/CD	BS EN 12311-2	90% / 90%
Nail tear resistance MD/CD	BS EN 12310-1	110 N / 105 N ; 25 lbf / 24 lbf
Durability after artificial ageing	BS EN 1296 / BS EN 1931	Passed
Temperature resistance	EN 1109, EN 1296, EN 1297	Permanent -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	BS 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 and greater.

Supply form

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
- ✔ No insulation cover necessary
- ✔ 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

pro clima 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.

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.

*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes missions)

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please call the pro clima technical hotline Ireland and UK:
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For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.

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