INTELLO® conneX

Humidity-variable sealing strip



Technical data

	Material
Protective and covering fleece	Polypropylene
Functional film	Polyethylene copolymer

Property	Regulation	Value
Colour		Light grey
Surface weight	EN 1849-2	130 g/m² ; 0.43 oz/ft²
Thickness	EN 1849-2	0.45 mm ; 18 mils
Water vapour resistance factor µ	EN 1931	31 100
sd value	EN 1931	14 m
sd value, humidity-variable	EN ISO 12572	0.25 - >25 m
g value	EN 1931	70 MN·s/g
g value, humidity-variable	EN ISO 12572	1.25 - >125 MN·s/g
Vapour permeance	ASTM E96-A	0.23 perms
Vapour permeance, humidity-variable	EN ISO 12572	<0.13 - 13 perms
Hydrosafe value (sd)	DIN 68800-2	2 m
Reaction to fire classification	EN 13501-1	E
Surface burning characteristics	ASTM E84	
Outdoor exposure		2 months
Driving rain test	ZVDH	Passed
Watertightness to liquid water	EN 1928	W1
Water column	EN ISO 811	> 2 500 mm ; > 8' 2"
Airtightness	EN 12114	Tested
Tensile strength MD/CD	EN 12311-2	250 N/5 cm / 170 N/5 cm ; 29 lb/in / 19 lb/in
Elongation MD/CD	EN 12311-2	60% / 60%
Nail tear-resistance MD/CD	EN 12310-1	120 N / 120 N ; 27 lbf / 27 lbf
Durability after artificial ageing	EN 1296	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

Strip for sealing over joints, e.g. at floor joints with concrete floors/ceilings, on wood-based panels, for use on the middle purlin (between middle purlin and rafters) for sealing joints with adjacent airtight membranes, or as a repair strip for sealing leaks on roofs, walls, ceilings or floors.

Supply forms

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
1AR03305	50 m	0.21 m	10.5 m²	1.6 kg	4	96	4026639233059
1AR03288	50 m	0.375 m	18.75 m²	2.9 kg	1	80	4026639232885
1AR03290	50 m	0.5 m	25 m²	3.8 kg	1	40	4026639232908
1AR03291	50 m	0.75 m	37.5 m²	5.7 kg	1	20	4026639232915

Advantages

- ✔ Time-saving installation: vapour control strips are pre-cut
- ✔ Also suitable for building structures with short-term moisture loading
- ✔ Standards-compliant construction: for airtight sealing in accordance with DIN 4108-7, SIA 180 and RE 2020
- ✔ Protection in rough everyday building site environments thanks to robust fleeces
- ✔ Excellent protection for building structures thanks to humidity-variable diffusion resistance
- ✔ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation scheme

Substrates

Clean subsurfaces before applying. Mineral surfaces (plaster or concrete) may be slightly moist. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on surfaces where adhesives are to be applied. They must have sufficient stability – if necessary, a mechanical support (pressure lath) must be used (e.g. on crumbling subsurfaces).

Permanent adhesion can be achieved using the TESCON VANA or TESCON No. 1. adhesive tapes on all pro clima membranes, PE, PA, PP and aluminium sheeting, planed and painted wood, hard plastics and rustproof metal (e.g. pipes, windows), and hard wood-based panels (chipboard, OSB, plywood and MDF panels).

Use ORCON F, ORCON CLASSIC or ORCON MULTIBOND for adhesive sealing to rough subsurfaces (e.g. rough wood) or mineral subsurfaces (e.g. plaster or concrete).

It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases.

General conditions

INTELLO conneX is to be installed with the printed side facing the installation technician. Adhesive bonds must not be subjected to tensile forces. Do not press applied lines of adhesive completely flat – rub adhesive tapes firmly to secure the adhesive bond. Ensure that there is sufficient resistance pressure.

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. Ventilate regularly and systematically to prevent the build-up of excessive humidity (e.g. during the construction phase). Occasional, intermittent ventilation is not sufficient to remove large quantities of moisture due to construction work from a building; use a dryer if necessary.

Taped and adhesive joints with the rear side of the membrane are unproblematic: In certain cases, taped or adhesive joints on the rear are necessary, for example when sealing around skylights if the membrane is installed from the exterior.

EPD verified

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

*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)

Tested for hazardous substances according to ISO 16000

CE 21 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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