INTELLO® X / connect
All-round hydrosafe® high-performance vapour check

INTELLO® X PLUS
Reinforced all-round hydrosafe® high-performance vapour check

INTELLO® conneX
Sealing strip

INTELLO X / connect

INTELLO X PLUS

INTELLO conneX

Technical data

	INTELLO X / connect	INTELLO X PLUS	INTELLO conneX
Protective and covering fleece	Polypropylene	Polypropylene	Polypropylene
Membrane	Polyethylene copolymer	Polyethylene copolymer	Polyethylene copolymer
Reinforcement	-	Polypropylene non-woven fabric	-
Colour	light grey	light grey	light grey
Surface weight	150 g/m² ; 0.5 oz/ft²	170 g/m² ; 0.56 oz/ft²	150 g/m² ; 0.45 oz/ft²
Thickness	0.45 mm ; 18 mils	0.6 mm ; 24 mils	0.45 mm ; 18 mils
Water vapour resistance factor μ	31 100	23 300	31 100
s_d value / humidity variable	14 m / 0.25 - >25 m	14 m / 0.25 - >25 m	14 m / 0.25 - >25 m
g value / humidity variable	70 MN·s/g / 1.25 - >125 MN·s/g	70 MN·s/g / 1.25 - >125 MN·s/g	70 MN·s/g / 1.25 - >125 MN·s/g
Hydrosafe value	2 m	2 m	2 m
Fire rating	E	E	E
Outdoor exposure	2 months	2 months	2 months
Water column	> 2 500 mm ; > 8' 2"	> 2 500 mm ; > 8' 2"	> 2 500 mm ; > 8' 2"
Water tightness to liquid water	W1	W1	W1
Tensile strength MD/CD	250 N/5 cm / 170 N/5 cm ; 29 lb/in / 19 lb/in	490 N/5 cm / 300 N/5 cm ; 56 lb/in / 34 lb/in	250 N/5 cm / 170 N/5 cm ; 29 lb/in / 19 lb/in
Elongation MD/CD	60% / 60%	20% / 20%	60% / 60%
Nail tear resistance MD/CD	120 N / 120 N ; 27 lbf / 27 lbf	280 N / 280 N ; 63 lbf / 63 lbf	120 N / 120 N ; 27 lbf / 27 lbf
Durability after artificial ageing	passed	passed	passed
Temperature resistance	permanent -40 °C to 80 °C ; -40 °F to 176 °F	permanent -40 °C to 80 °C ; -40 °F to 176 °F	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)	0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)	0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)
CE labelling	yes	yes	yes

Supply forms

INTELLO X / connect: Length : 50 m; Width: 1.50 m, 3m ; INTELLO X PLUS: Length: 50 m; Width: 1.50 m ; INTELLO conneX: Length: 50 m; Width: 21 cm, 37.5 cm, 50 cm, 75 cm

The applications and conditions described here are based on current research and practical experience at the time of printing. We reserve the right to change the recommended structures and installation methods and to further develop and thus alter the 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.

Technical Support
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pro clima®

INTELLO® X / INTELLO® X PLUS

airtightness system

Reliable solutions for sealing building envelopes

INTELLO® X / INTELLO® X connect / INTELLO® X PLUS system

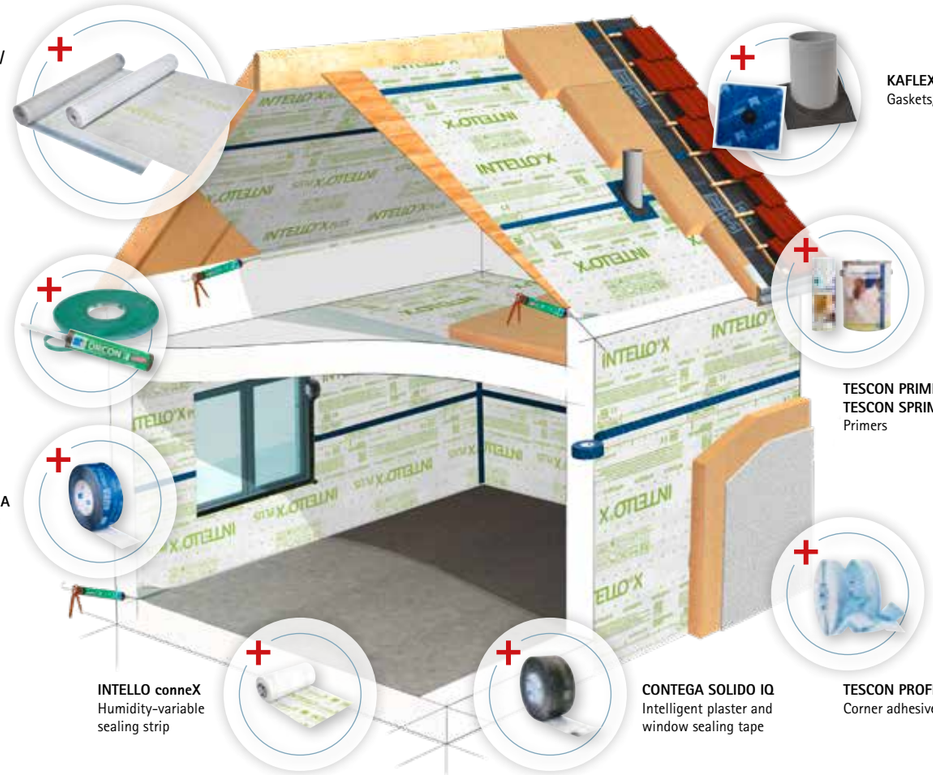
All-round hydrosafe® high-performance vapour check / Reinforced all-round hydrosafe® high-performance vapour check

Areas of application:

INTELLO X: For use on the inside of insulation installed between rafters/framework, in combination with fibrous insulation mats and boards. Can be installed onto sheathing for use underneath exterior insulation, also in combination with blown-in insulation.
INTELLO X PLUS: For use on the inside of insulation installed between rafters/framework, or over a hard subsurface for use underneath exterior insulation in combination with all fibrous insulation materials – including blown-in insulations. These membranes can be permanently exposed to diffuse UV light – e.g. in areas without inner cladding. For refurbishment installation between two insulation layers, the choice of insulation materials is limited to mineral or rock wool. Contact pro clima Technical Support in Germany for assistance with calculating the possible insulation thicknesses. These membranes can be used on building components that are diffusion-open to the outside or are diffusion-tight, e.g. pitched, flat or green roofs, after appropriate design calculations have been carried out.

Advantages:

- ✔ Excellent protection against mould and moisture damage to structures thanks to humidity-variable diffusion resistance
- ✔ Easier handling: can be used with insulation installed between rafters/framework, exterior insulation or for roof refurbishment
- ✔ Protects building structures against weathering during the construction phase for roof pitches of 10° and higher
- ✔ Protected winter building sites thanks to hydrosafe® behaviour



INTELLO X / connect / INTELLO X PLUS
Vapour check membranes

KAFLEX/ROFLEX
Gaskets/grommets

ORCON F / ORCON MULTIBOND
Joint adhesives

TESCON PRIMER RP/ TESCON SPRIMER
Primers

TESCON VANA
Adhesive tape

INTELLO conneX
Humidity-variable sealing strip

CONTEGA SOLIDO IQ
Intelligent plaster and window sealing tape

TESCON PROFECT
Corner adhesive tape

Further information on INTELLO X / connect and INTELLO X PLUS

- Installation videos
- Detailed CAD drawings
- And much more:

proclima.com/products/internal-sealing

INTELLO X / INTELLO X connect
All-round hydrosafe® high-performance vapour check, 'connect' variant with self-adhesive strips

Ideal with blown-in insulation material

INTELLO X PLUS
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Detailed installation instructions for insulation between rafters can be found here:
proclima.info/en/intello-x-plus/insulation-between-framework

Detailed installation instructions for exterior roof insulation can be found here:
proclima.info/en/intello-x/exterior-insulation

Detailed installation instructions for roof refurbishment from the outside can be found here:
proclima.info/en/intello-x/refurbishment-from-outside

INTELLO X