

Perfect insulation!

Humidity-variable air sealing with **INTELLO**®

Reliable performance and simple installation – these are the strengths of the pro clima airtightness system. And those in the trade have been aware of this for over 30 years.

Humidity-variable vapour retarders and airtight membranes result in particularly reliable thermal insulation structures. The reason for this is simple: well-established basic principles!

Enjoy peace of mind
with our products!

Optimal protection against mould

Insulation structures are better protected against damage if

- Their vapour retarders and airtight membranes are more closed to diffusion when moisture tries to penetrate into the structure,
- This membrane can be more open when moisture that has penetrated in an unforeseen manner has to dry to the inside.

One fact has been established for a long time now: membranes with constant diffusion resistance (s_d value) provide protection against the entry of moisture, but do not allow for any significant drying to the inside.

More modern membranes are relatively impermeable to the outside, but are not open to diffusion to the inside; instead, they are even slightly vapour-retarding. This limits drying to the inside.

Pro clima's **humidity-variable Intello** is the first range of products to really **offer full protection** to building components. After all, Intello fulfils both requirements: it is **sealed** to protect against humidity and is **extremely open to diffusion** to allow for optimal drying to the inside. For this type of application, the higher the relative difference between the tightness and the openness to diffusion the better – Intello has a difference of a factor of 100 here, which sets the standard for others to follow!



Reliable on winter building sites

With Intello, winter building sites are not a problem! Intello has a hydrosafe value of 2 m, and can thus protect insulation structures reliably – even if there is a lot of moisture present during construction.

The hydrosafe value specifies how well sealed a humidity-variable vapour retarder still is at an average humidity of 70%. Average humidity of 70% will be present if there is 90% indoor air humidity and 50% humidity in the space between the rafters, for example.

According to the 70/1.5 rule, a hydrosafe value of s_d 1.5 m is sufficient to keep unacceptable moisture out of the structure. With its value of 2 m, Intello easily exceeds this requirement.

Official certification of long-term performance

The long-term performance of Intello has been **tested and certified officially** – Intello is the only humidity-variable airtight membrane that has been approved by the German Institute for Civil Engineering (DIBt) and is thus monitored by a third-party body.



Construction in accordance with standards

Construction of structures that are closed to diffusion on the outside in accordance with DIN 68800-2 is only possible with Intello without violating generally recognised codes of practice.

Designers and installation technicians are thus protected against violations of standards if they use Intello.

Simple to install

Working with Intello is simple, safe and practical. This is confirmed by the German quality assessment body Stiftung Warentest: [Approximate translation:] “Membranes and adhesive tapes from pro clima had the best performance in this test.” For this reason, Intello Plus was the test winner in 4/2012.

Thanks to its intelligent diffusion-adaptation, Intello cannot be accidentally installed the wrong way around.

System adhesive tape with adhesion for 100 years

With the Tescon Vana system adhesive tape from the Intello range, you can ensure the long-term durability of your buildings. An independent test by the University of Kassel demonstrated the adhesive performance of Tescon Vana for a period of 100 years. And that should be long enough!



The waterproof solid-acrylate adhesive ensures reliable adhesion both indoors and outdoors – even on wet substrates.



Top values in the hazardous substance test

Ecology and healthy living environments have been important issues for pro clima right from the beginning. This is why we develop systems such as Intello that achieve excellent results in the hazardous substance test.

What this means for you

With pro clima, your building components will provide maximum reliability, and winter building sites are not a problem. The long-term performance of Intello has been certified officially and is monitored by a third-party body. Construction of structures that are closed to diffusion on the outside in accordance with DIN 68800-2 is only possible with Intello.

With pro clima, you can benefit from our experience, reliability and expert, dependable support.

We look forward to working together with you in a transparent, open and dedicated manner.

pro clima ... looking to the future!

