

# State-of-the-Art Window Sealing !



**i3**

the new system  
for low energy  
buildings



Weather seal for  
wind-driven rain



Vapour permeability




Thermal insulation



Acoustic insulation



Internal airtight seal



## High Performance Window Systems Intelligent Seals for Airtight Internal & Weathertight External Joints

Illbruck has designed and developed a complete range of proven innovative sealing products that fully comply with the new requirements for energy efficiency in new building and renovation work.

The BBA approved "i3" system encompasses the concept of sealing out weather whilst sealing in comfort and energy savings. It incorporates a choice of products to effectively seal on three levels. Weather tight (but vapour permeable) externally, air tight internally, with a thermal and acoustic insulation layer between.

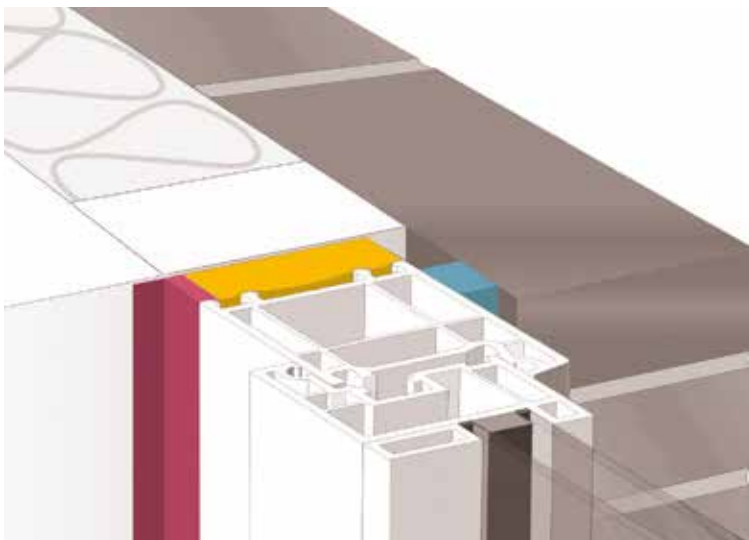
 **illbruck**  
making it perfect.

# The i3 Window Sealing System

## How it works : «inside tighter than outside»



By selecting appropriate products from our five system components, various combinations can be created to suit the installation situation. The resulting system will meet all the requirements of modern sealing technology.



- 1 External Sealant :**  
Provided as a weather protection level, permanently tight against driving rain but still 'open' to allow for vapour to escape to the external atmosphere
- 2 Intermediate Sealant :**  
(Insulation level)  
Entirely filling the gap between the window frame and the wall/cavity closer, with a thermally insulating and soundproofing material
- 3 Internal Sealant :**  
To separate the internal environment from the conditions outside, the seal needs to be air and vapour tight

Typical Joint Detail with i3 System Components

### The result

An externally weatherproof but vapour permeable system, which also prohibits the warm internal air penetrating the joint and forming condensation, a problem which can lead to a reduction in the level of thermal insulation, damage to building components and mould formation.

## i3 System Options

External	Intermediate	Internal
 <b>TP600</b> <b>Compriband 600</b>	 <b>FM230</b> <b>Pro Foam Window</b>	 <b>ME500</b> <b>Duo Flexible</b> <b>Window Membrane</b>
 <b>ME500</b> <b>Duo Flexible</b> <b>Window Membrane</b>		 <b>SP523</b> <b>Frame &amp; Façade</b> <b>Sealant</b>

## Reliable & Durable

### • 10-year «i3» performance guarantee\*

The «i3» Window Sealing System from illbruck comes with a 10-year guarantee\* for the performance of the joints.

### • BBA Accreditation

The «i3» system and its individual components are BBA approved, proving their fitness for purpose.

\*Under the conditions specified by tremco-illbruck - available on request



### Technical Service

tremco illbruck has a team of experienced Technical Service Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Service on +971 4 8852403



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