



INSULATION WALL

with **ELVIAL I²**
Technology

An **additional Insulation Zone**, filled with **specially developed Foam**, having the **ideal density** and **covering totally** the intermediate chamber of the profile.

The **Energy Performance** of the aluminium system is **improved up to 38%!**

The ELVIAL logo, consisting of the word 'elvial' in a white, lowercase, sans-serif font on a dark teal square background.

elvial®

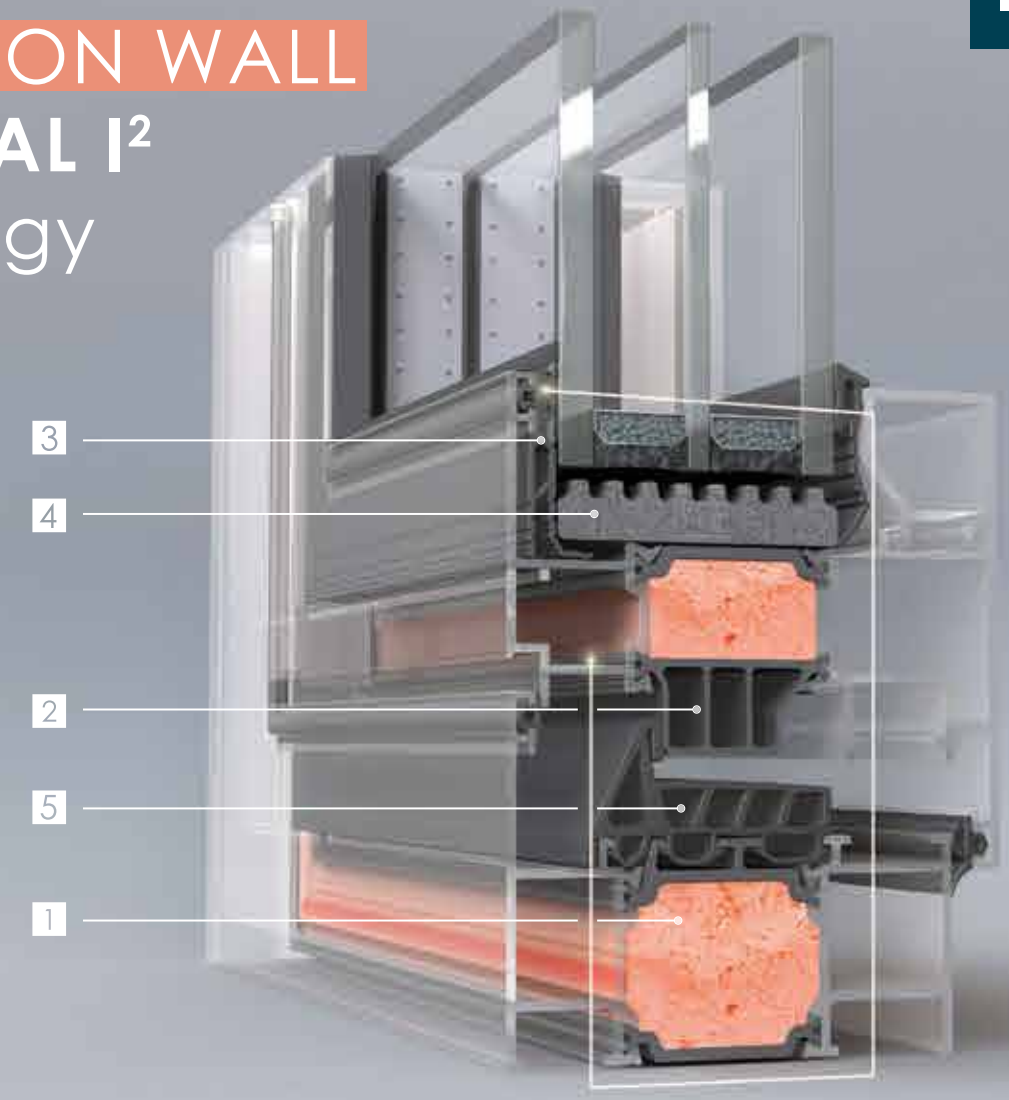
A WORLDWIDE INNOVATION
ONLY BY ELVIAL



In ELVIAL, we “build” an **insulation wall** in the aluminium systems.

- 01 Use of the **innovative ELVIAL I² Technology**, ensuring excellent Isothermal Flow of the Window Certified Coefficient $\lambda=0.023$ W/mK.
- 02 **Polyamide or Polythermide Bars** for effective interruption of the thermal flow.
- 03 **Glazing Gaskets with Fins**, for increased insulation in the glazing zone.
- 04 **Polyethylene LPDE** of low density, for optimum energy performance.
- 05 **Multichamber Central Gasket**, covering the full surface of the polyamide.

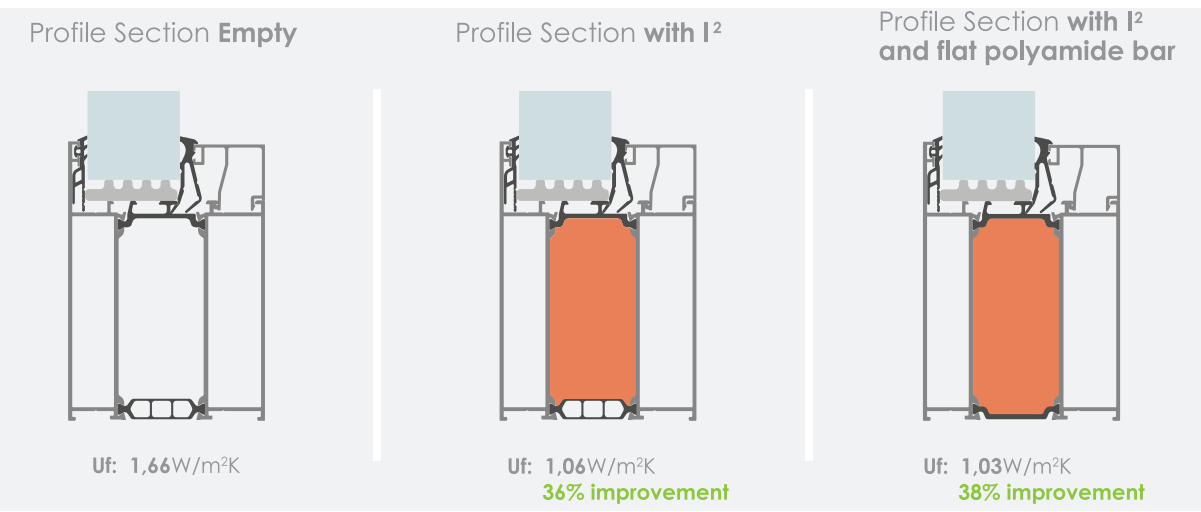
INSULATION WALL with ELVIAL I² Technology



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“ Choose **Double Color**: different color in the inner and outer side of the window . A proposal of high aesthetics, customized to your personal wishes and needs of your private space! ”

BOOST THE Uf value OF YOUR PROFILES UP TO 38% by using ELVIAL I² TECHNOLOGY



No need for use of multi-chamber polyamide bars, as the thermal conductivity value “ λ ” of the foam filling material is much better than the polyamide bars’ one. In this way, **improved U values** are succeeded.

ADDITIONAL ADVANTAGES

with **ELVIAL I² Technology**



ELIMINATE THE LIQUIDATION EFFECT on your windows, with the **ELVIAL I² Technology**.



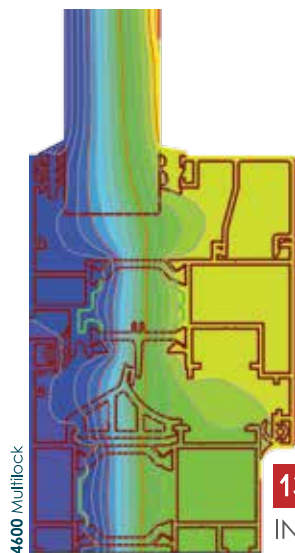
example:

when
INDOOR CONDITIONS

Relative Humidity : 60%
Room Temperature : 22° C

then
DEW POINT (Liquidation) 14° C

Thus, under the certain inhouse conditions _stated here beside _the **surface** of the room that is having temperature **equal or below the 14° C**, will appear the liquidation effect.



WITHOUT I²Technology

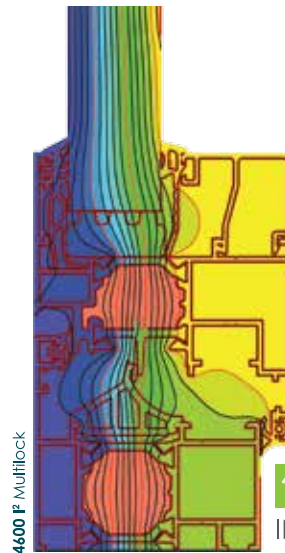
When Outside Temperature is 0° C,
the **inside window surface** is:

13° C < Dew Point

13°C
INSIDE



Liquidation Effect appears.



WITH I²Technology

When Outside Temperature is 0° C,
the **inside window surface** is:

15° C > Dew Point

15°C
INSIDE



Liquidation Effect is not appearing.



TIP:
The higher the Relative Humidity of your living space, the higher the chances the liquidation effect to appear on your windows surface.
Circulate frequently the air of your living space with fresh air, in order to reduce the level of humidity caused by our everyday activities (shower, boiling, plants, breathing etc).





EN

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