

Advantages:

- Enhanced insulation
- No steel reinforcement
- Costs optimization
- Better security
- Recyclable

insulating core
instead of cold steel



Advantages with IKD®

1 Enhanced insulation

When used in combination with STV® static dry glazing, profiles filled with IKD® technology can achieve U_f -values of $0.78 \text{ W/m}^2\text{K}$ (according to ift Rosenheim institute, for the profile combination 5010/5007) – basically the standard for passive house windows. When combined with panes with $U_g = 0.4 \text{ W/m}^2\text{K}$ and Swisspacer V breaks, U_w -Values of $0.61 \text{ W/m}^2\text{K}$ can be achieved.

2 Normal workflow

The cutting, fusing, trimming and glazing can be performed as usual.

3 No additional investments required

The foam is injected into the profile chamber in the factory. The window manufacturers receive the profiles already filled with foam.

4 No steel reinforcement

When used together with the STV®-technology, normal-sized elements can be assembled without the steel reinforcement. This saves weight, reduces transportation costs and makes installation easier.

5 Easy recycling

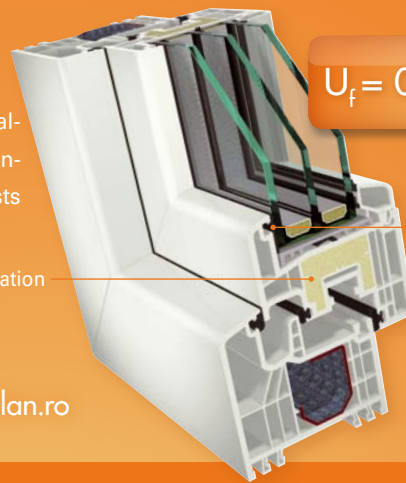
The foam is kept in place inside the profile through pressure and not surface bonding. When sawed, the foam can then easily be taken out of the profile and recycled separately.

6 Less effort

To achieve excellent thermal insulation you no longer have to fill the profiles by hand. The profiles are already foam-filled.

7 Better security

Due to the hardened foam core and the full bonding of the glass on the entire sash margins, the IKD profile delivered with STV® makes it more difficult to remove the window elements.



$U_f = 0,95 \text{ W/m}^2\text{K}$

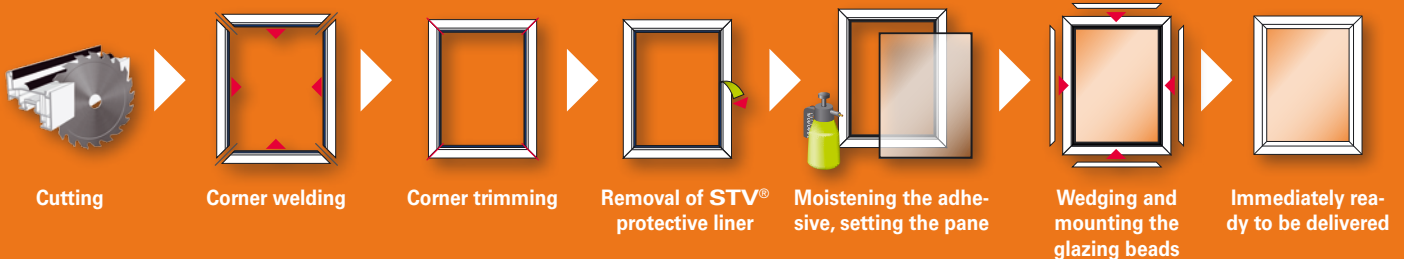
STV® Static dry glazing

For further information on STV, please visit <http://stv.gealan.ro>

IKD® Integrated intensive insulation

For more information on IKD, please visit <http://ikd.gealan.ro>

Smooth workflow with STV® and IKD®:



For more information, contact your GEALAN partner: