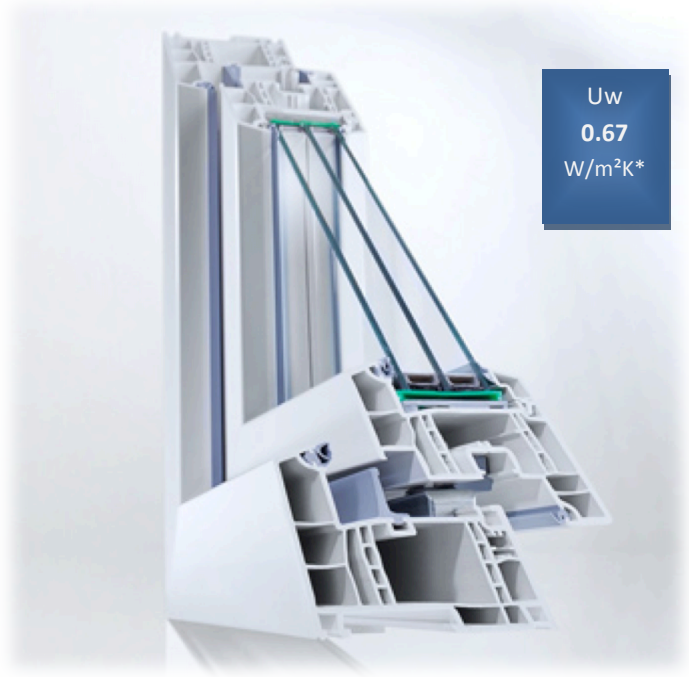


REHAU GENE[®] window profile system

REHAU GENE[®] – fully reinforced window profile system of the most advanced technology material RAU-FIPRO[®]. In addition, this system is considered to be the best in terms of energy saving in its class. RAU-FIPRO[®] ensures the stability and strength as well as static properties that were previously impossible without reinforced steel.



* Window size: 1230 × 1480 mm

Features:

- Profile depth: 86 mm with internal gasket
- Number of chambers: 6
- Thermal insulation: up to 0,85 W/m²K
- Energy saving up to 76% (compared with PVC/wooden windows with $U_w = 2,7$ W/m²K)
- Material: fiber compound material RAU-FIPRO[®], covered outside of high quality PVC to ensure the quality of a flawless surface.
- Sound insulation: 5th noise level without reinforced steel, $R_{w,P} = 47$ dB, with glazing $R_w = 50$ dB
- Protection against burglary: resistance class up to 3, without reinforced steel – up to 2.
- Air permeability: 4 (DIN EN 12207)
- Resistance to hard rain: (DIN EN 12208).

Design:

- Many opportunities for the architectural development of individual forms, e.g. circular, triangular, diagonal windows.
- A wide range of colours
- Light grey gaskets with white profiles and black gaskets with coloured profiles create highlights
- 20° slope and 5 mm round fillet look elegant.

Anti-burglary resistance:

- Up to resistance class 2 (Improved protection against the use of simple tools such as screwdrivers, pliers and wedges)

Sound insulation:

- Up to 47 dB R_w

Thermal insulation:

- Up to 0,67 W/m²K

Advantages:

- Fully reinforced window profile system without additional reinforced steel – the highest stability which is ensured by the most advanced technology material RAU-FIPRO[®], the ideal profile for the construction and strengthening of the integrated system (IVS)
- When fabricated with appropriate glass, windows made from GENE[®] are Passivhaus certified
- Total visibility width – 115 mm – to reach the optimal light
- Fully reinforced profile – more rational production and storage
- Lighter manufacturing and installation – profile is almost 40% lighter than previous window profile systems
- Functional thermo module of the chamber allows the further improvement of thermal insulation properties
- The newly development gasket geometry allows to reduce the closing pressure, due to this opening and closing the windows is easier than before
- Organic, possible to recycle

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