



NORDIC DESIGN PLUS WINDOWS
NEW DIMENSION OF ENERGY EFFICIENCY

www.rehau.de

Construction
Automotive
Industry

NORDIC DESIGN PLUS AND HIGHTECH RAU-FIPRO WINDOWS®



Windows made of NORDIC DESIGN PLUS profiles constitute one-off, innovative solution. They will gain your trust owing to technologically advanced concepts and additional strengths which make them unrivalled product in comparison to other window systems.

- Energy efficient system of outwards opening windows is intended mainly for renovation purposes. Coefficient U_f up to $1,0 \text{ W/ m}^2\text{K}$ is achieved without any additional devices such as foam connectors (with the middle sealing).

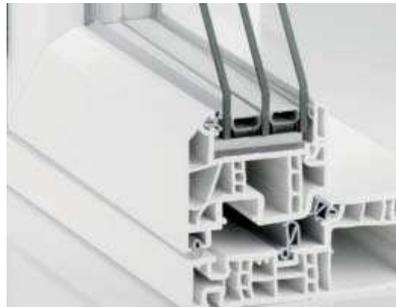
- Splendid anti-burglary protection for outwards opening windows is ensured by a lock with the mushroom-cap/ stable locking slats.

- Traditional construction with narrow front surfaces, typical of windows manufactured in Danish and Scandinavian style.

- Adjusted depth allows for installation of the triple glazing system with high thermal insulation ensuring impressive U_w coefficient up to 0.8 W/m^2 .

- Windows open and close exceptionally smoothly in comparison to other systems available on the market. This is due to the most modern sealing and hardware systems with gap ventilation function.

- Made of Hightech RAU-FIPRO material



3-level sealing



Mushroom-cap with corner redirecting devices



Locking slat for gap ventilation.



Glass Track



COMFORT AND ENERGY EFFICIENCY

NEW DEFINITION OF LONGEVITY

Thermal Insulation

In terms of thermal efficiency NORDIC DESIGN PLUS is the best system of outward opening window profiles available on the market today. This quality facilitates production of thermally effective windows creating comfortable atmosphere that you always desired.

Protect your resources

Effective insulation of the building ensures lower energy consumption for levelling temperatures in the room. By choosing energy efficient windows you additionally protect natural environment. NORDIC DESIGN PLUS ensures quality comparable to modern tilt and turn windows with inwards opening:

GENEO MD PLUS

Coefficient $U_g = 1,0 \text{ W/m}^2\text{K}$
Coefficient $U_f = 0,91 \text{ W/m}^2\text{K}$

Coefficient $U_w = 1,1 \text{ W/m}^2\text{K}$

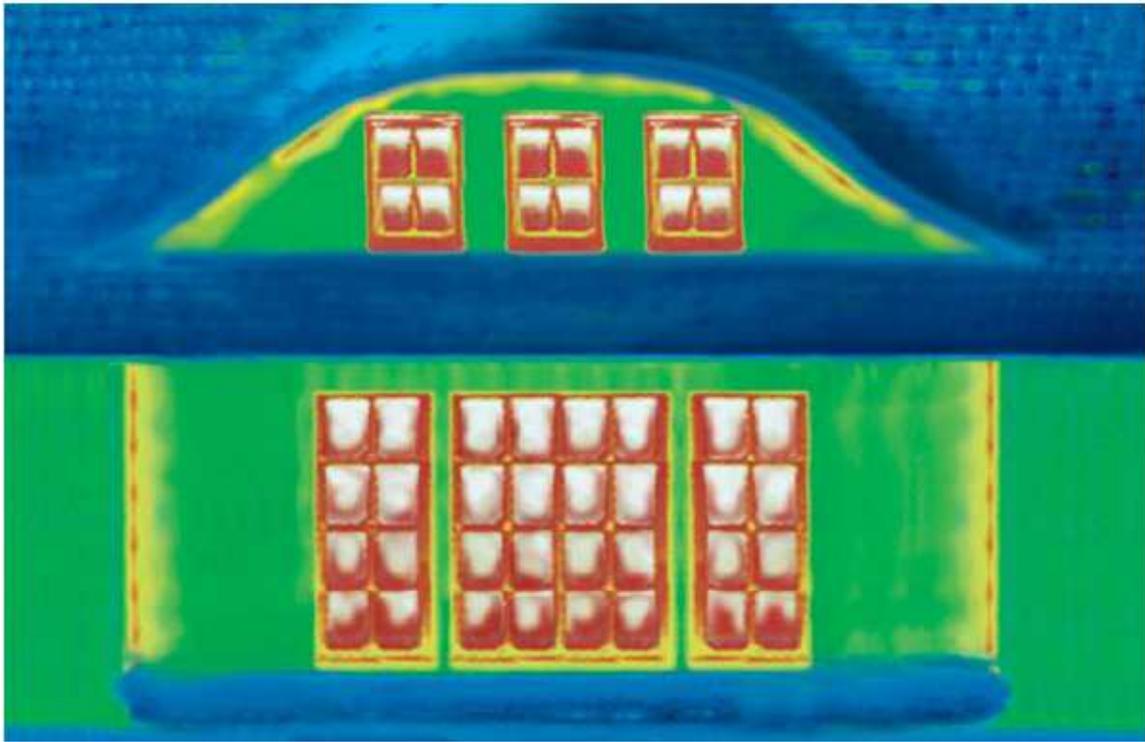
NORDIC DESIGN PLUS

Coefficient $U_g = 1,0 \text{ W/m}^2\text{K}$
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Coefficient $U_w = 1,1 \text{ W/m}^2\text{K}$

*Window size 1230 x 1480 mm





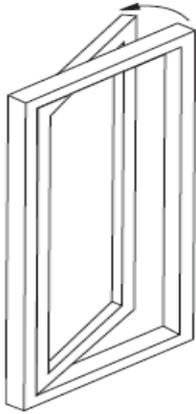
Prior to renovation: old wooden windows. As you can see, windows cause significant heat losses (areas marked red).



After the renovation: NORDIC DESIGN PLUS windows minimize heat energy losses.

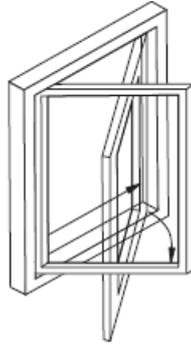
FUNCTION, SHAPE AND COLOURS

SELECT WINDOWS TAILORED TO YOUR DEMANDS



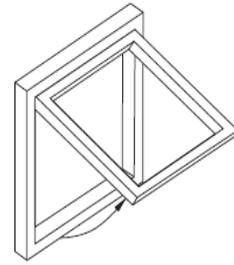
Entrance door

Inward opening



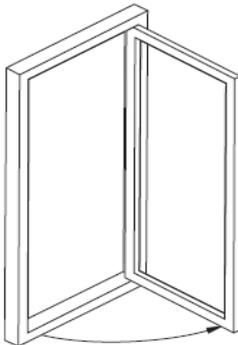
Side Swing 180

The sash may be turned in a way allowing for window cleaning from the inside.



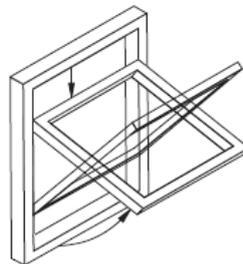
Top Hinges

Outwards opening window placed in the position by the fittings.



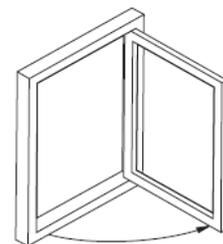
Balcony doors

Outside opening



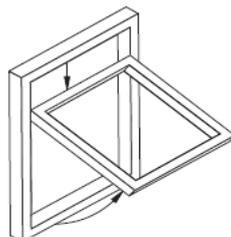
Top Swing 180

The sash may be rotated by 180°, which allows for window cleaning from the inside



Side Hinges

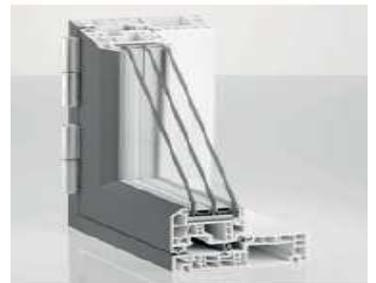
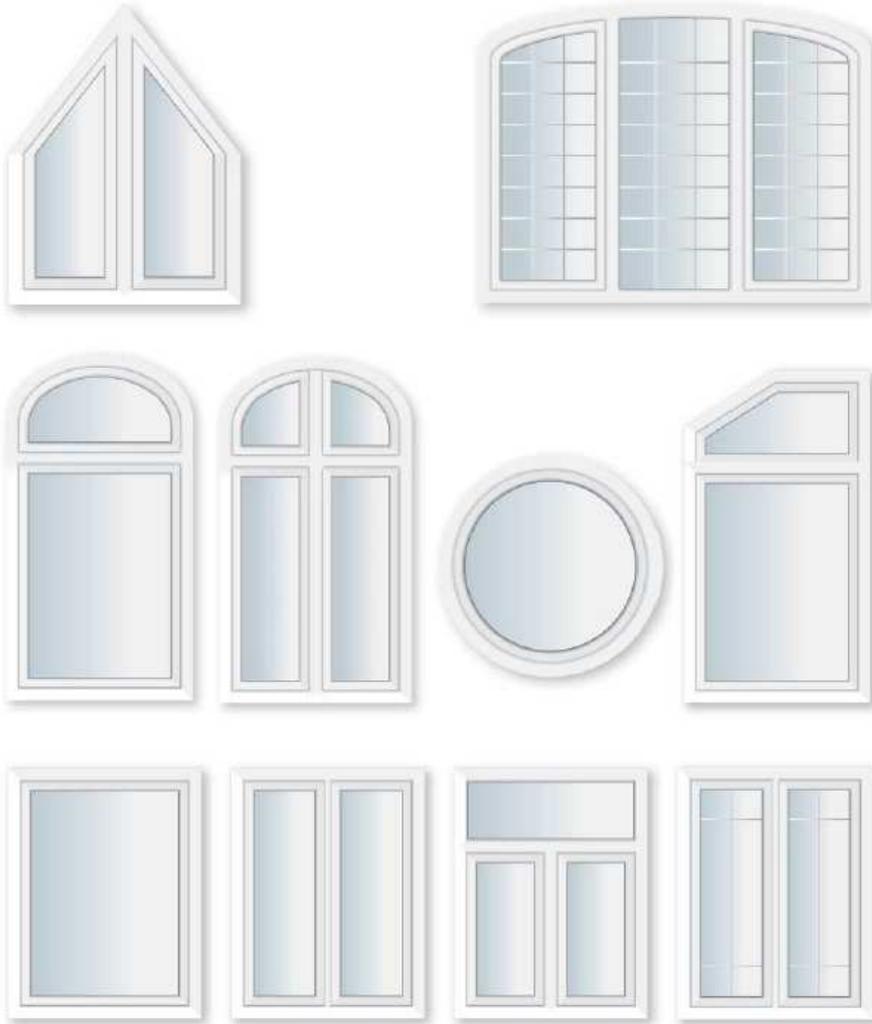
The sash rotates outwards and is held in the position by the fittings.



Top sliding

The sash slides from the bottom, but moves both up and down. Such a solution allows for extremely effective ventilation.

NEW IMPULSES TRIGGERED BY SHAPES AND COLOURS



Hidden foil
Wide selection of single colours and wooden decors in smooth, granular design



Powder coating
Wide selection of colours from among 150 RAL colours

Open for creative ideas
RAU-FIPRO system offers splendid proprieties for shaping your windows. From now on you can enjoy curved, flexible style preserving entirely reinforced profiles.

Be creative and strive to achieve your dreams.

HIGHTECH FOR YOUR WINDOWS

RAU-FIPRO® - MATERIAL FOR WINDOWS OF TOMMORROW

Completely new product on the market of windows with extraordinary static qualities.

1. Extremely stable
RAU-FIPRO is a modern finishing technology introduced through innovative material formula. The highest core stability creates utterly new quality of window profile systems.

2. Unique and innovative system

RAU-FIPRO roots from over 60 years of experience and development of REHAU company and arises from its innovative strengths. Hightech, i.e. composite fibres ensuring maximum stability for the profiles, is utterly new solution. Aside from aeroplanes and Formula 1 cars construction, composite materials turned out to be a great solution for windows construction business.

3. The highest quality windows

Materials of the highest possible quality and top processing standards ensure excellent quality and longevity of RAU-FIPRO profiles, also if they are exposed to unfavourable conditions.

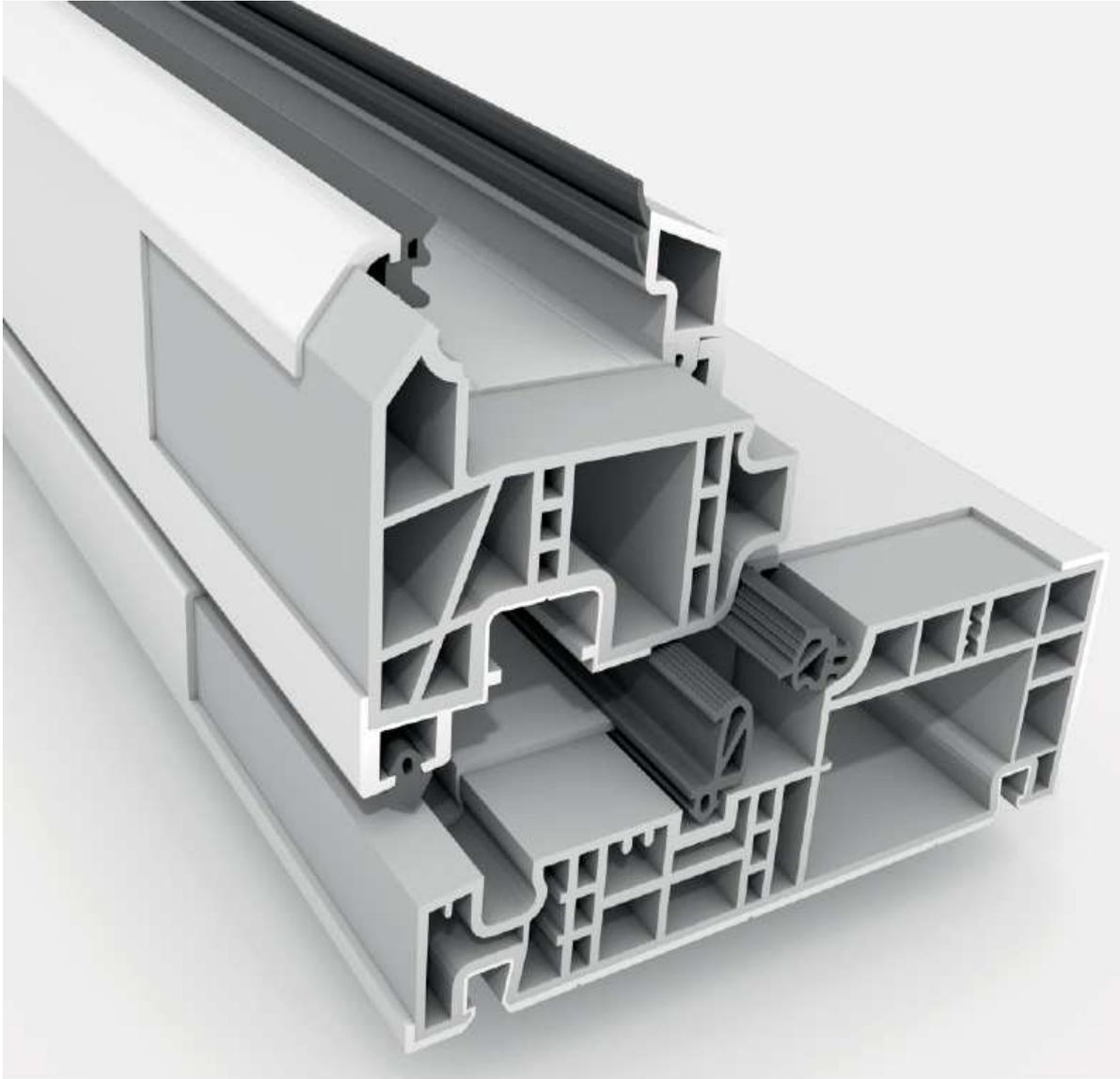
4. Recycling

Profiles with RAU-FIPRO core are 100% recyclable and are separately subject to this process.

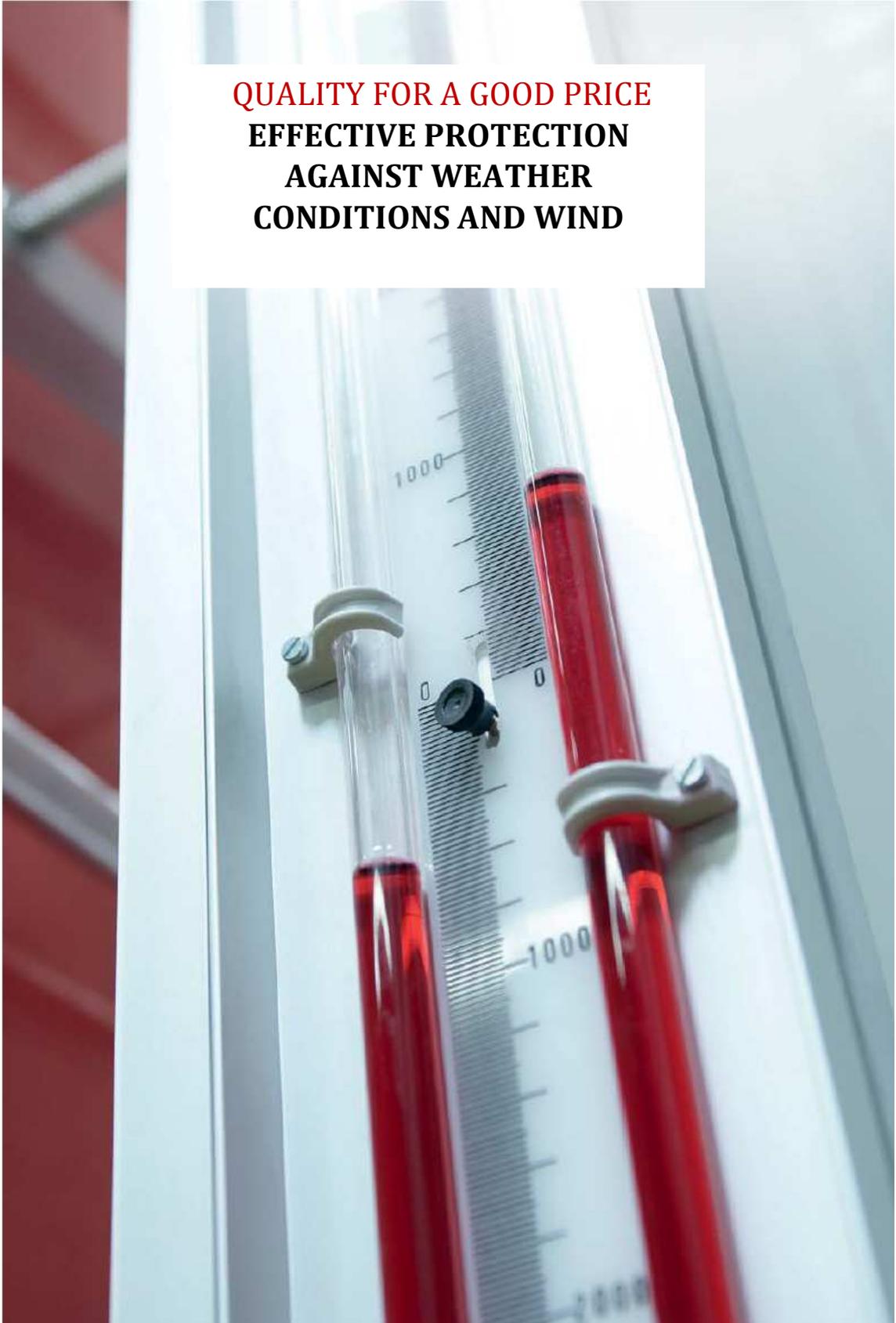
RAU-FIPRO – Modern technology of windows production!



Key material properties comply with quality requirements and inspection provisions: RAL-GZ 716/1 Chapter 1 and DIN EN 12608 norm connected with the design, condition after delivery, functional dimensions, deviation from a straight line and linear dimensions.



QUALITY FOR A GOOD PRICE
EFFECTIVE PROTECTION
AGAINST WEATHER
CONDITIONS AND WIND





Corner and impact loads

Test verifying stability in the last window corner demonstrates advantages of the entire reinforcement of the NORDIC DESIGN PLUS profiles.



Water-resistance

The rain perpendicularly hitting the windows may turn out to be an extreme burden. Also in this case, methods of comprehensive reinforcement and efficient sealing perfectly complement one another. Additional heat control solutions ensure great outcomes when it comes to extreme thermal loads.

Checked and verified as good

REHAU is a leading company providing polymer products of the highest possible quality. For over 60 years REHAU have dealt with the development of more and more effective materials and products. Marketed are only products meeting the highest quality requirements of REHAU company. Such products are always verified in the company's quality centre and undergo external examinations carried out in objective and independent research centres. Such high requirements are consistently and carefully implemented also in the case of NORDIC DESIGN PLUS profiles production.



Loads caused by strong winds

In the case of maximum winds and changing levels of suction and pressure loads, static capacity of the NORDIC DESIGN PLUS is especially efficient. The entire reinforcement and window construction supported by the frame may splendidly carry weight of the glass.



Stability for long-term loads

Windows made of NORDIC DESIGN PLUS profiles will serve you well for many years, even in the case of unfavourable conditions.

REHAU provides verified quality

Both development centres of the company, located in Rehau and Eltersdorf, as well as production plant in Wittmund are certified in compliance with ISO standards.



Quality Management Systems designed for development, production and distribution of polymer systems.

NORDIC DESIGN PLUS WINDOWS DELIVERED BY REHAU

ENJOY YOUR STAY IN HOME A LITTLE LONGER



We bet on competence

REHAU collaborates only with professional window production plants. We ensure professional consultations provided by qualified and competent employees.

Our windows are perfectly tailored to your ideas and guidelines given during construction of a new house or reconstruction of an old building. We always provide unique style windows with individually adjusted thermal insulation coefficients and levels of protection against noise and burglary.

Experience means quality

For over five decades REHAU company has developed and manufactured window, facade and door profiles as well as roller shutter systems. We favour innovative approach, experience and traditionally high quality demands.

REHAU experts benefit from their professional know-how gained in such fields as construction and civil engineering business. Our global company also has vast and successful experience in these branches.

Owing to synergy and partnership with windows manufacturing plants and thanks to close collaboration with numerous employees trained in REHA ACADEMY, we achieved the status of a leading manufacturer of window, facade and door profiles as well as roller shutter systems.

REHAU VERKAUFSBÜROS/AGENCES REHAU

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