

# ALPHALINE 90

"Energy savings you'll be  
impressed by."



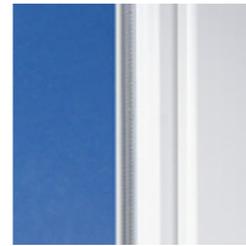
The Quality Profile  
★ ★ ★ ★ ★ ★ ★ ★

# ALPHALINE 90

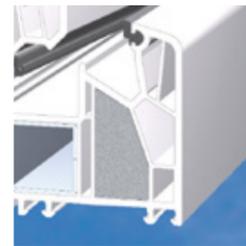
Modern uPVC windows manufactured using VEKA's ALPHALINE 90 profile system significantly improve your house's energy needs. Their 6-chamber format and 90-mm installation depth optimally exploit the insulating properties of air, providing you with superb heat insulation as standard. Moreover, an optional insulating strip improves this performance even further – living up to even the very highest expectations. The result: pleasant room temperatures, regardless of the weather outside, and pleasantly surprising reductions in heating costs, too. Equally convincing is the classical design, with smooth rounded contours that blend in with all kinds of building styles, from modernised older buildings through to ultra-modern architecture.



2-part-casement window, recessed



Classic design with soft contours



Optional insulation strip for maximum heat retention

## Energy savings and supreme comfort in one

To come home, put your feet up, unwind – there's nothing like relaxing in the comfort of your own four walls. It's the central point of your life: a place that feels safe and secure, a place where you can find peace and quiet, a place for the family.

When it comes to a pleasant room climate, the right windows are decisive. They light up the interior, protect you from wind, weather and noise. Most importantly, they keep the heat where you want it. Modern insulation techniques help you save energy and protect the environment.

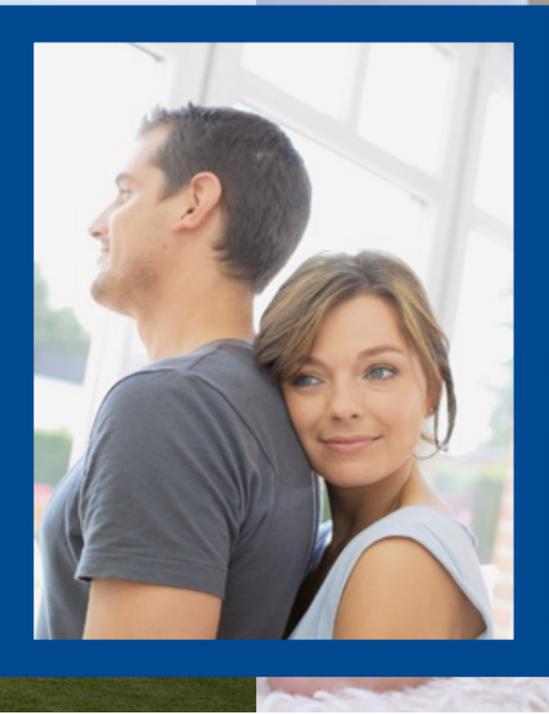
We'd love to tell you more!



## The joy of form

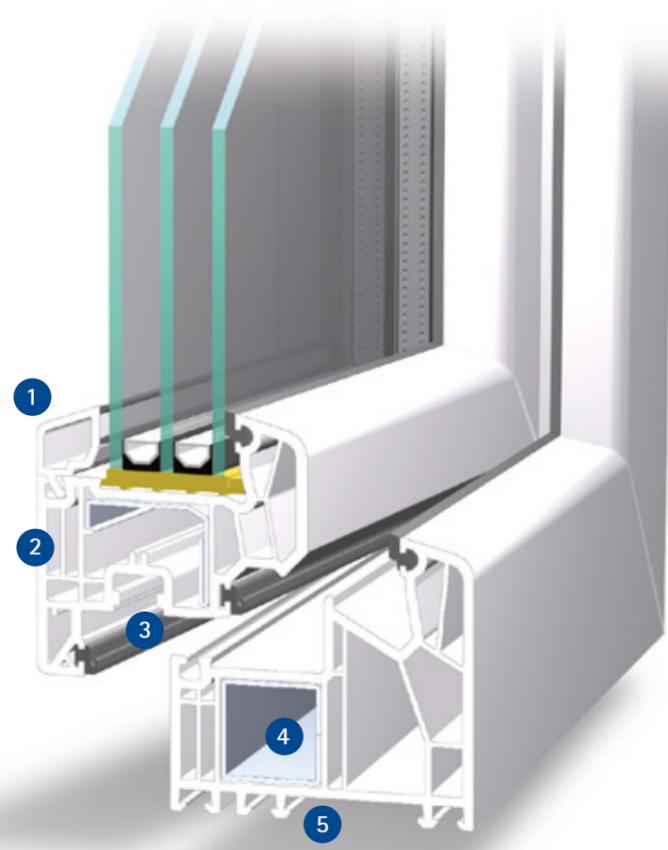
You do not buy windows off the rail. They are individually made products of craftsmanship, tailored to blend in perfectly with the architecture of your house. That's why VEKA profile systems are made to be especially versatile. They come in a huge range of frame and casement profiles with a complete line of accessories,

giving you full creative freedom in realising your ideas. Choose from our classic white or coloured portfolios, add interesting details like georgian bars, or incorporate special forms – round or arched windows, triangular, gable or bay window constructions. The possibilities are endless – express your own personal style.



# The VEKA system with the perfect energy balance

- 1 **Slightly rounded contours** give the ALPHALINE system its classic look
- 2 **Best thermal insulation** of up to  $U_w = 0.8 \text{ W/m}^2\text{K}$ , depending on the type of glazing, significantly reduces heating costs
- 3 **High-quality gaskets** in grey or black – the three-layer centre seal system reliably keeps cold, draughts and damp at bay
- 4 **Galvanised metal reinforcement** in accordance with VEKA reinforcement guidelines guarantee stability and long-lasting functionality
- 5 **The 6-chamber technology with 90-mm installation depth** fully exploit the insulating properties of air, ensuring superb heat insulation



Style variant: recessed



**It pays to save energy**  
The 6-chamber construction of VEKA profiles provides optimum heat insulation. Reduces energy consumption and keeps your heating costs significantly low.



**Perfect atmosphere**  
The excellent insulation properties of VEKA profiles keep room temperatures at the desired level and ensure maximum comfort in your home. And their additional gaskets make chilly draughts a thing of the past.



**Increased security**  
Depending on their position and accessibility, windows need to fulfil a number of different security requirements. Special fittings, security glazing and handles can be fitted according to customer requirements to make VEKA profiles burglary-resistant.



**Best noise insulation**  
Noise exposure is more than just an annoyance, it can damage your health. Even standard windows made with VEKA profiles significantly reduce external noise, and are upgradeable to conform to the lowest sound transmission class.



**Colour range**  
Coloured window frames and doors are a reflection of your individual character. With a portfolio of over 30 different colour hues and wood finishes, we offer individual solutions for every taste and architectural style.



**Valuable investment**  
New windows are a worthwhile investment which increases the value of your property. The durable surfaces of VEKA's high-quality profiles remain attractive for many years. They are easy to clean and never need to be painted.

# ALPHALINE 90

## The VEKA system with the perfect energy balance

### Profile system

- Elegant, slightly rounded edges
- 90-mm system with 6-chamber geometry
- Wall thickness in highest quality group: RAL Class A (DIN EN 12608, Class A)
- Finish: recessed
- Visible surface: 118 mm
- Steel reinforcement in accordance with VEKA reinforcement guidelines

### Applications and functionality

- Standard windows, thermal insulation and sound insulation windows, safety windows, sliding elements, French windows
- Tilt-turn, casement, hopper and French casement windows and parallel tilt-and-slide-doors with single or multiple casements, fixed or combinable, glazing to DIN 18361

### Quality assurance

- Certified member of GKFP, the German quality assurance association for uPVC window profiles
- Quality testing according to the RAL quality mark for uPVC windows; Class A

### Physical properties

- Thermal insulation to DIN 4108 and German regulations for energy conservation, EnEV

- Sound insulation to VDI 2719 SSK, sound transmission classes II to V
- Burglary resistant according to DIN V ENV 1627-1630, up to resistance class 2

### Heat transfer coefficient of window elements

- Depending on type of glazing
- Up to 0.8 (W/m<sup>2</sup>K) with triple glazing

### Gasket system

- Gasket around sash and outer frame
- 3 seal levels with high-quality material
- Colours: grey or black

### Glazing rebate

- Insertion depth: 24 mm
- Pane thickness: the deep glazing rebate allows a glazing thickness of between 24 and 50 mm for sash and outer frame

### Hardware in accordance with DIN 18357

- Compatible with system-tested, quality assured hardware
- Free choice of handles

### Accessories

- Mounting profiles, extensions, window sill connections, wall connections, couplings, additional reinforcements

## Let your window expert advise you

Trust is a vital component in any building or renovation project. Contracting reliable, experienced experts is the key to success. As your certified VEKA partner, we have all the

answers to any questions you might have regarding windows and doors. Put your trust in our expertise combined with state-of-the-art, quality-tested window technology.