

# WHAT MAKES KEIL SPECIAL.



## THE ORIGINAL: KEIL UNDERCUT SYSTEM

Invisible fastening and maximum safety – proven worldwide in millions of applications.

## KARL – THE SELF-UNDERCUTTING ANCHOR

Easy, quick, and secure: KARL anchors directly into the material – the perfect choice for demanding applications.

## CUSTOM SOLUTIONS

For every panel, every project, every detail – perfectly matched.

## MADE IN GERMANY

Manufactured with precision, certified and reliable – trusted for more than 30 years.

## KNOW-HOW & SERVICE

On-point technical consulting – quick, competent, and focused on solutions.

## QUALITY AND BRAND MARK

KEIL represents dependable planning, clean execution, and strong partnerships.



# ADVANTAGES OF A VENTILATED RAINSCREEN FACADE

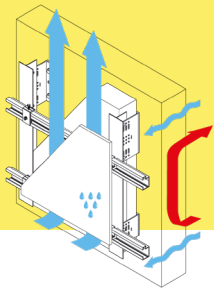


KEIL Befestigungstechnik GmbH  
Olpener Str. 13a | 51766 Engelskirchen, Germany  
[www.keil.pro](http://www.keil.pro) | [mail@keil.pro](mailto:mail@keil.pro)

[www.keil.pro](http://www.keil.pro)



# THE VENTILATED RAINSCREEN



In a ventilated rainscreen, the cladding material is mounted on a substructure, creating a ventilation gap. This regulates moisture control and provides protection against heat, sound, fire and weather. The ventilated rainscreen is versatile, secure, and durable.

## THERMAL INSULATION

The ventilated façade enables flexible insulation thicknesses through rear ventilation – for optimal energy efficiency and maximum design flexibility.

## BUILDING PROTECTION

From heat to storms to heavy rain – the system offers sustainable weather protection and guarantees a long service life for the building envelope.

## SUSTAINABILITY

Pure materials enable efficient recycling – contributing to a sustainable circular economy

## ACOUSTIC INSULATION

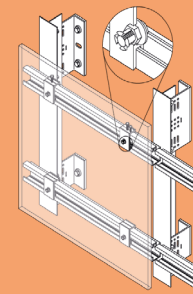
The ventilated façade cavity minimizes sound transmission and absorbs outside noise – ensuring significantly improved indoor comfort and quality of life.

## DURABILITY

With low maintenance requirements, high resilience, and replaceable components, the system guarantees a long service life.

## HEAT PROTECTION

The ventilated façade creates passive cooling and a balanced indoor climate – reducing energy consumption and cooling costs.



# THE UNDERCUT SYSTEM

The complete KEIL undercut system is approved by building authorities and engineers. Our undercut system is technically sophisticated, and has proven itself millions of times. We ensure an expansion pressure-free and hidden fastening.

Anyone who values invisible fastening of facade panels and is planning a unique and exciting facade look cannot get past KEIL.

From small to large, light to heavy: All common panel materials from 6 mm thick receive an undercut with a precise and consistently symmetrical shape. Our newly developed KARL undercut anchor provides an alternative for softer materials.

## FIRE PROTECTION

The ventilated façade with approved/ engineered materials meets fire safety requirements reliably – from residential homes to high-rises, safe and fully compliant.

## PLANNING RELIABILITY

With a high level of prefabrication, the system guarantees optimized costs and short assembly times – perfectly suited for demanding projects.

## MOISTURE CONTROL

The façade system prevents moisture damage, mold, and pests – guaranteeing long-term functionality.

## DESIGN FLEXIBILITY

Different materials enable unlimited design options and enhance the value of the building.

## LOW-MAINTENANCE

Clever system design lowers upkeep costs, makes inspection and repair easy, and ensures a service life of at least 50 years – with virtually no maintenance required.

**KEIL IS NOT JUST PART OF THE FACADE – KEIL IS WHAT MAKES IT POSSIBLE.**