




vrame

**“I want a system that is
able to solve complex tasks
in a simple manner!”**

vrame by voestalpine



Flexibility at its very best. Suitable for all applications.

vrame by voestalpine

voestalpine Krems offers an impressive and uncomplicated system solution with the intelligent vrame profile system, which includes all accessories for building doors and portals made from steel. vrame combines all requirements relating to protective functions and heat insulating properties for both indoor and outdoor use.

This reduces the number of special profiles for the user. vrame provides planners with a clearly structured portfolio for all functional and visual requirements in the field of architecture. Detailed information and technical data can be found at www.voestalpine.com/vrame.

vrame by voestalpine



The sophisticated profile system for all door and portal designs

vrame therm

The innovative profile system offers the latest generation of thermal separation with simple processing



vrame fire

The profile system for highly-efficient fire protection in the classes EI30 and EI60 (F30, T30) including smoke protection that meets the highest safety standards



vrame form

The versatile standard profile system in fire protection classes E30 – E120 (G 30) with smoke protection for implementing individual requirements

A true all-rounder:

vrame is clever:


The sophisticated range of systems covers all the essential requirements and therefore simplifies planning.

vrame is compatible:

The versatile profile system has been assessed by the leading glass and metal fitting providers and therefore offers maximum design freedom.

vrame is easy to use:

The sophisticated profile geometries form a complete unit with the relevant accessory components. This ensures simple and time-saving processing, thereby guaranteeing rapid project progress.



Up to 51 mm
glass thickness possible

Coordinated accessories
and system components

Powder coating
of the GRP possible

Heat insulation up to
 $U_d = 0.84 \text{ W/m}^2\text{K}$

urame therm by voestalpine

Coolly calculated.
Warmly recommended.

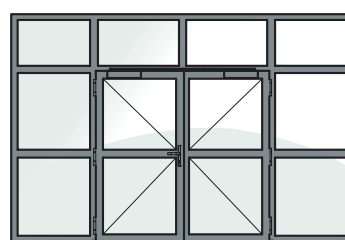
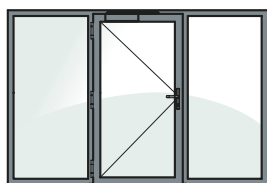


Persuasive arguments

- Best heat transfer coefficient $U_d = 0.84 \text{ W/m}^2\text{K}$
- GRP powder coating possible
- Meets all CE marking requirements
- Innovative modular system for gradually improving the heat transfer value
- Simple processing



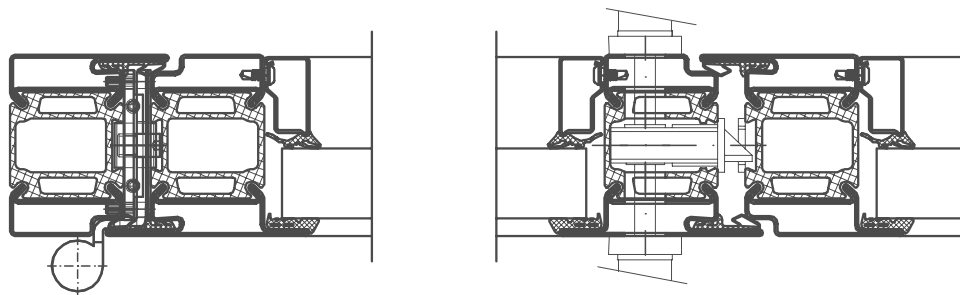
Application examples for vrame therm



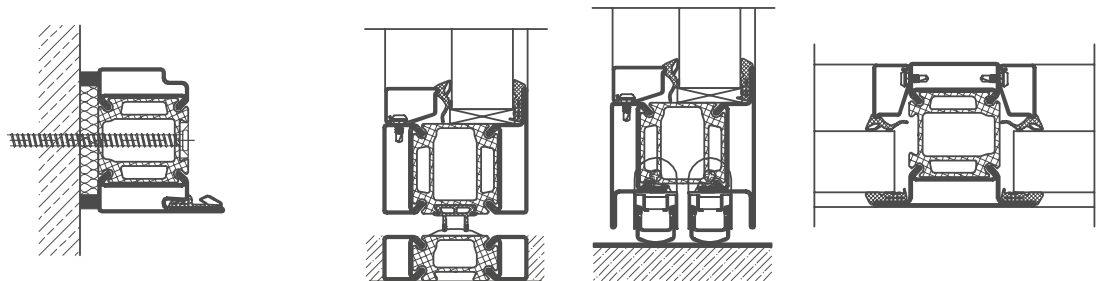
User-friendly system. Best possible heat insulation.

Overview of vrame therm profile cross-sections

Strip and fastener area

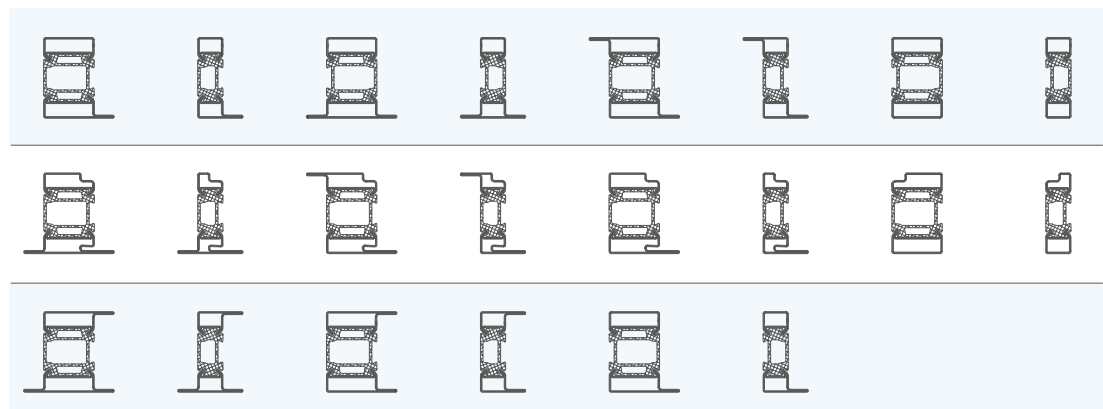


Connection options (wall and floor profiles, bars or transoms)



Profile versions

Diversity at a glance: The sophisticated range of profiles



Detailed information and technical data can be found at www.voestalpine.com/vrame.



Up to 40 mm
glass thickness possible

Coordinated
accessories and
system components

A profile for
fire protection classes
EI30 and EI60

2 mm
material thickness

vrame fire by voestalpine

Committed to safety.
Capable of dealing with fire.



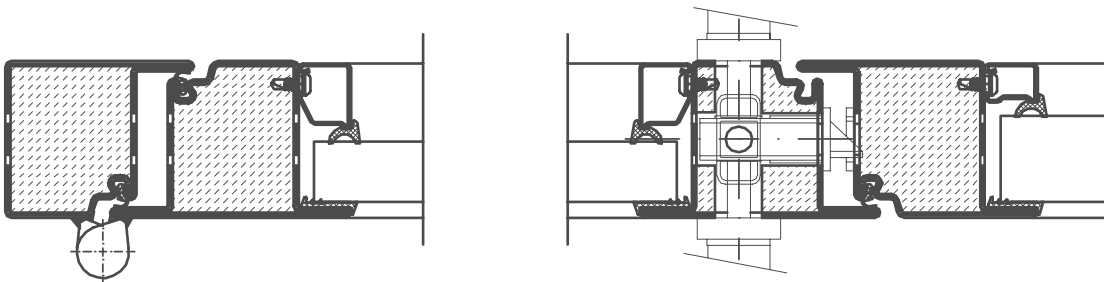
Persuasive arguments

- A profile for fire protection classes EI30 und EI60 (F30, T30) including smoke protection Sm (RS1, RS2)
- Protection against burglaries, explosions and bullets
- 2 mm wall thickness guarantees:
 - Maximum service life
 - Extreme load bearing capacity
 - Good weldability
 - Secure screw connections
- Has the same design and processing technology as the vrame form
- Coordinated accessories and system components
- Round arch constructions

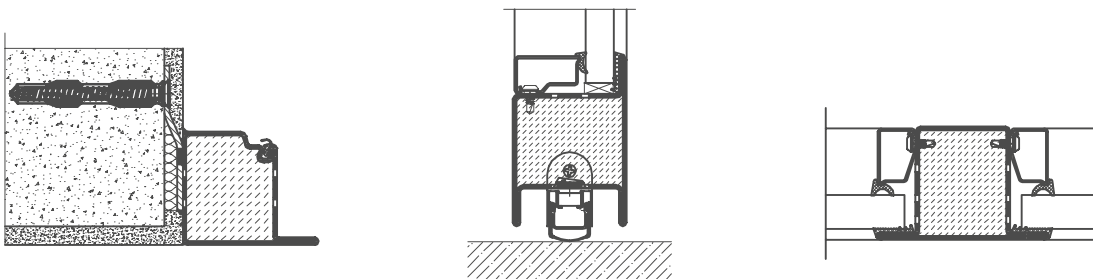
Security with a system. Efficient fire protection.

Overview of vrame fire profile cross-sections

Strip and fastener area

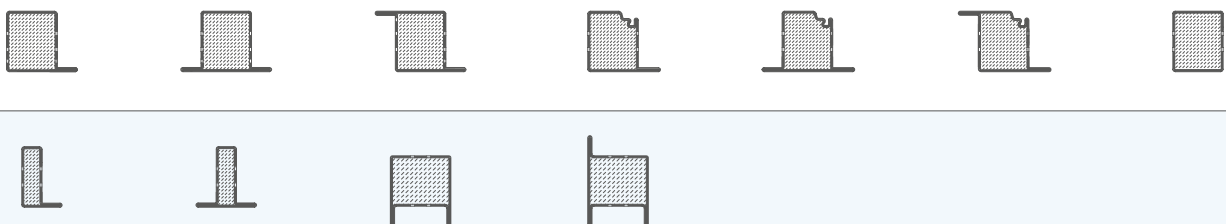


Connection options (wall and floor profiles, bars or transoms)



Profile versions

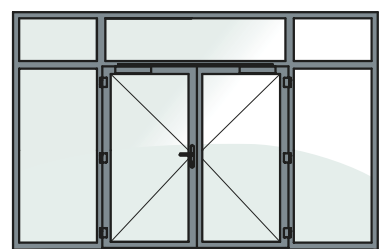
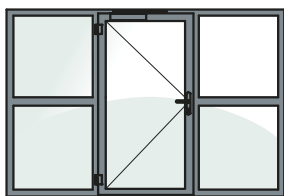
Diversity at a glance: The sophisticated range of profiles



Detailed information and technical data can be found at www.voestalpine.com/vrame.



Application examples for vrame fire





Up to 40 mm
glass thickness
possible

Coordinated
accessories and
system components

Low overall depth
from 50 mm

2 mm
material thickness

vrame form by voestalpine

Can be used according to individual requirements. Highly resilient.

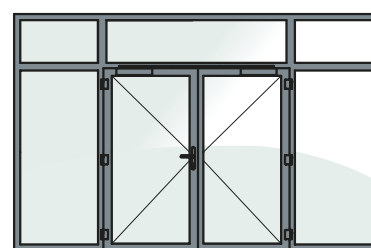
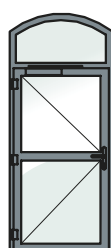
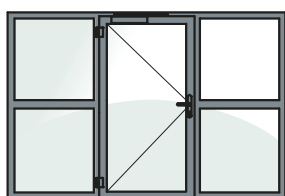


Persuasive arguments

- Fire protection E30 to E120 (G30)
- Smoke protection Sm (RS1, RS2)
- Protection against burglaries, explosions and bullets
- 2 mm wall thickness guarantees:
 - Maximum service life
 - Extreme load bearing capacity
 - Good weldability
 - Secure screw connections
- Round arch constructions
- Up to 8 different face widths can be chosen according to your requirements
- Coordinated accessories and system components



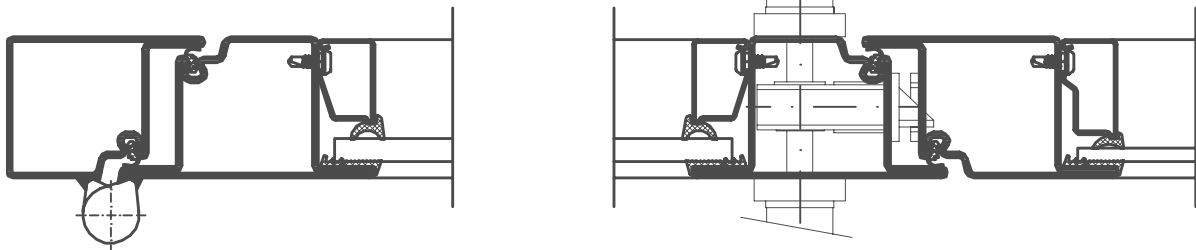
Application examples for vrame form



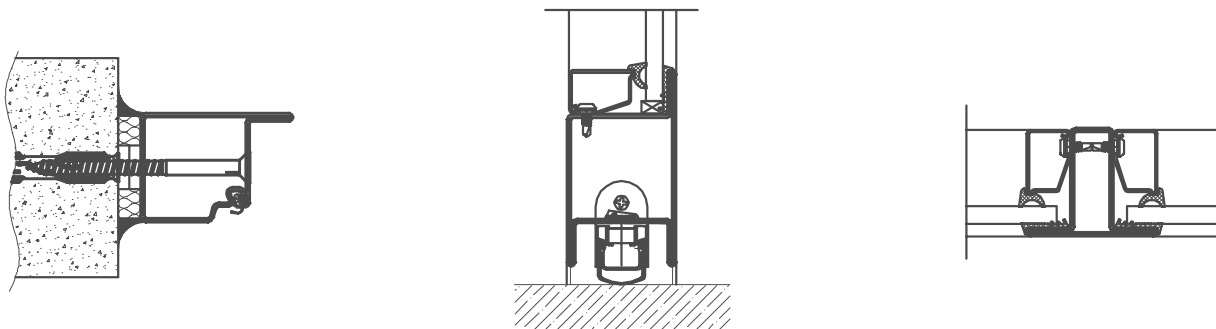
Modular system. Unique workability.

Overview of vrame form profile cross-sections

Strip and fastener area

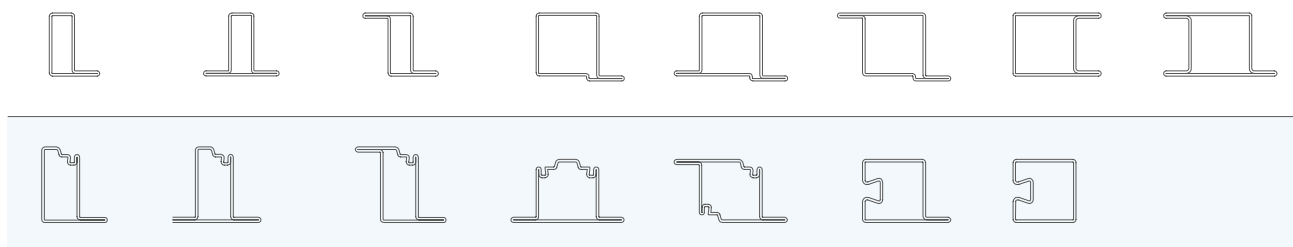


Connection options (wall and floor profiles, bars or transoms)



Profile versions

Diversity at a glance: The sophisticated range of profiles



Detailed information and technical data can be found at www.voestalpine.com/vrame.

Simply the best.

Impressively simple. Simply impressive.

vrame as an uncomplicated system solution for constructing doors and portals made of the best quality steel. voestalpine Krems GmbH is the European market leader in the field of cold rolled steel pipes and steel profiles of the highest quality. And vrame is no exception. In addition to increased safety requirements, high standards must be met in aesthetics, design and design freedom, especially when it comes to door and portal construction.

The vrame profile system series guarantees all of this with exemplary user-friendliness. Both the simple processing and the integrated system for all functional requirements make vrame an impressive alternative. For quality-conscious users, planners and processors – in short for everybody who wants door and portal construction to be easy rather than unnecessarily difficult.

State-of-the-art production

The different vrame profile cross sections are precision engineered using the roll forming process to achieve high-quality surface finishes. Their high dimensional stability ensure efficient processing, high functionality and a long service life.

Expert advice

Experts are happy to offer advice and support with any application and processing issues.

Excellent service

Your very own local distribution partners guarantee rapid product availability as well as prompt and reliable delivery.



Expert advice for the best solutions



Prompt delivery for smooth procedures



Simple processing for rapid construction progress



State-of-the-art production technology for the best quality



Steel you can count on

Anybody who relies on vrame when it comes to door and portal construction, not only has confidence in the unique and simple profile system, but also trusts the proven steel properties. The great product stability makes extremely slim face widths possible. This makes it possible

to create even larger elements that are both stable and pleasing on the eye. The high-quality sendzimir galvanised surface in conjunction with a powder coating or covering lacquer offers twice the surface protection.

vrame by voestalpine

Door and portal construction system

Systems without thermal separation:

	Fire protection E30 – E120 (G30) + smoke protection Sm (RS1, RS2)	Fire protection EI30 – EI60 (F30, T30) + smoke protection Sm (RS1, RS2)
Operators	vrame form	vrame fire
Bulletproof	vrame form	vrame fire
Anti-burglary protection	vrame form	vrame fire
Explosion-resistant	vrame form	vrame fire
Fire resistance	vrame form	vrame fire
Durability	vrame form	vrame fire
Mechanical strength	vrame form	vrame fire
Smoke density	vrame form	vrame fire
Sound insulation	vrame form	vrame fire

Systems with thermal separation:

Operators	vrame therm
Anti-burglary protection	vrame therm
Air permeability	vrame therm
Durability	vrame therm
Mechanical strength	vrame therm
Sound insulation	vrame therm
Watertightness	vrame therm
Impact strength	vrame therm
Key group data	vrame therm
Resistance to wind load	vrame therm
Heat transfer coefficient	vrame therm

Presented by:

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