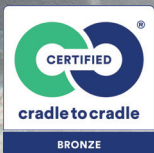


ConceptSystem 77

Doors



R

Reynaers
Aluminium

With 60 years of global product development, 7 testing centres worldwide and products that are easy to fabricate and install, you can be reassured with Reynaers Aluminium.

Together for better

www.reynaers.co.uk

Reliable, safe and versatile door solutions

ConceptSystem 77 is a versatile and reliable door system with a strong legacy. It offers a complete range of design options and safety features, including a bulletproof variant.

This trusted aluminium solution offers up-to-date performance levels and can be integrated in almost any building type, at any location.

Thanks to years of continuous optimisation, these tried-and-tested doors meet most contemporary standards with regards to energy efficiency, accessibility and circular design.

With multiple insulation levels and the possibility to create large elements up to 3 metres in height, ConceptSystem 77 doors are always a safe and affordable choice for all your building projects.



Safe and versatile doors to match any project needs.

With its wide range of opening types and built-in connectivity with our other aluminium systems, these versatile doors are the perfect match for your next project. Featuring subtle hardware and integrated drainage solutions, certified safety features, and elegant handles, these doors are engineered for both performance and style.



Well-balanced price-performance-features mix.

When you take into account aesthetics, versatility and AWW performance, ConceptSystem 77 doors are an exceptional choice. Its universal design answers to many local building needs, as the standard performance levels meet contemporary project requirements. The High Intensity Door variant (HID) makes ConceptSystem 77 a great match for public buildings too.



Reliable doors that last a lifetime.

Thanks to its ergonomic design and fail-safe production process, ConceptSystem 77 is the preferred standard solution of building professionals all over the world. Known for its tested and proven quality, this door system fits both new-builds and renovation projects with up-to-date performance requirements and high safety needs.



ConceptSystem 77 Door Options



Access control

When it comes to protecting your home or business, you want to have control over who has access to your building, and when. We offer a number of electronic access control systems to protect your residence or business facility.



Panic solution

In some public buildings, a quick and safe escape route should always be available. These doors are equipped with anti-panic technology to guarantee secure passage in dangerous situations.



Zero threshold

Creating inviting entryways and exits without boundaries has never been easier. This elegantly hidden threshold solution is the ideal match for your wheelchair-friendly building project, even with continuous flooring.



Concealed hinges

The difference often lies in the smallest of details. That is why subtly concealed hinges are the ultimate finishing touch for your windows and doors. With the hardware hidden from sight, you get a clean look both when the system is opened or closed.

Safety

ConceptSystem 77 doors are a reliable choice for all your safety needs. The system offers burglarproof and bulletproof protection, all certified by our professional testing partners. A clever anti-panic door solution guarantees a quick escape in times of danger, perfect for public buildings such as shops, offices, hospitals, and more.*

*Performance levels and properties of our safety products depend on size, profile combinations, hardware and infill choices. Additionally, local approvals and regulations may change the values mentioned in this document. Please contact your local Reynaers Aluminium representative for guidance.

Smart Buildings

Our door systems are compatible with the industry's leading smart building systems. Thanks to a range of intelligent solutions, our systems do the work for you at the push of a button. No need to worry about keys anymore: the smart system allows you to manage access to your home or building through a fingerprint scanner or mobile app.



ConceptSystem 77 frame options

Functional



Hidden Vent



High Insulation



Technical specifications

Minimum visible widths (mm) (outward opening door)	Frame	42
	Vent	102
Overall system depths (mm)	Frame	68
	Vent	68
Minimum visible width T-profile (mm)		76
Rebate height (mm)		25
Glass thickness (mm)		4 to 52
Glazing method		Dry glazing with EPDM or neutral silicones
Thermal insulation		Omega-shaped fibreglass reinforced polyamide strips
High insulation variant (HI)		Available

Performance data

Thermal Insulation ¹ EN ISO 10077-2	Ud ≥ 1.4W/m²K for a standard (door) section ² depending on the frame/vent combination and the glass thickness
Acoustic performance ³ EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 42 (-1; -4) dB, depending on glazing type
Air tightness, max. test pressure ⁴ EN 1026; EN 12207	600Pa (Class 4)
Water tightness ⁵ EN 1027; EN 12208	300Pa (Class 7A)
Wind load resistance, max. test pressure ⁶ EN 12211; EN 12210	800Pa (Class C2)
Wind load resistance to frame deflection ⁶ EN 12211; EN 12210	C (≤ 1/300)
Burglar resistance ⁷	PAS 24 - RC2 - RC3

Notes

This table shows possible performance classes and values and is a guide only.

To obtain exact performance values for your chosen system configuration please contact a member of our Technical Team.

¹ The Ud-value measures the heat flow. The lower the Ud-value, the better the thermal insulation of the door.

² Door dimension 1.23m x 2.18m.

³ The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.

⁴ The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.

⁵ The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.

⁶ The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.

⁷ The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools. This variant requires specific burglar resistance accessories.



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