

döpfner security.
RC2 window



VERSION MP



different, of course.

IN AN UNCERTAIN WORLD PERSONAL SAFETY IS BECOMING INCREASINGLY IMPORTANT.

On average, an attempt is made to force entry into a home every three minutes in Germany. It is therefore obvious that the need for security is increasing.

With over 167,000 burglaries a year (as of 2015), the need for optimized security on balcony doors and windows is also understandable, as around 80 % of burglars choose this route.

Fortunately, in around 40% of cases it remains an attempted break-in, as homeowners are increasingly opting for burglar-resistant windows, balcony doors and front doors.

DÖPFNER building elements can be individually adapted to your security requirements. We will be happy to advise you!

OUR HOME IS OUR "CASTLE" ...

At least that's how it should ideally be! Everyone wants a safe, cozy and comfortable home for themselves and the whole family. But unfortunately, not everyone respects our privacy. The number of home burglaries is rising continuously.

This brochure shows you the possibilities for more security around your home, especially with window elements from DÖPFNER.

BIRTHDAY



RISK



SAFETY

THE CRIMINAL ACCESS ROUTES TO YOUR PROPERTY ...

... are manifold. But the police statistics paint a clear picture: most burglaries in private houses and apartments occur via balcony and patio doors. This is followed by windows and front doors, and only at the very end by basement windows.

Prevention is always better than aftercare!

Out of around 167,000 burglaries in 2015,...

... THROUGH A CELLAR WINDOW

... VIA THE FRONT DOOR

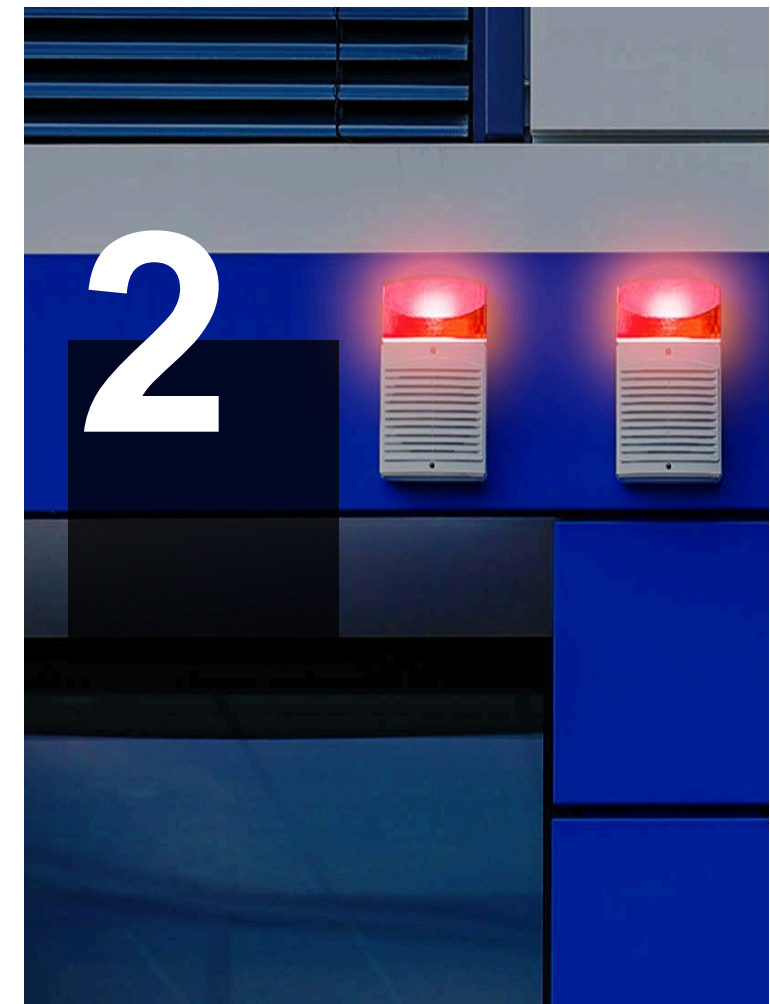


THE POLICE RECOMMEND ...

... OPTIMIZE MECHANICAL PROTECTION FIRST!
ONLY THEN ELECTRONIC UPGRADE!

Mechanical barriers create real resistance, which costs burglars a lot of time and effort, causes noise and ultimately leads to failure. If there is only an alarm system, fast thieves may still be able to reach their target. Some break-ins only take seconds. Ideally, an *additional* burglar alarm system alerts the security forces *before* the burglar has overcome the mechanical obstacles.

So please remember the guiding principle: Electronics are of little use without good mechanics!

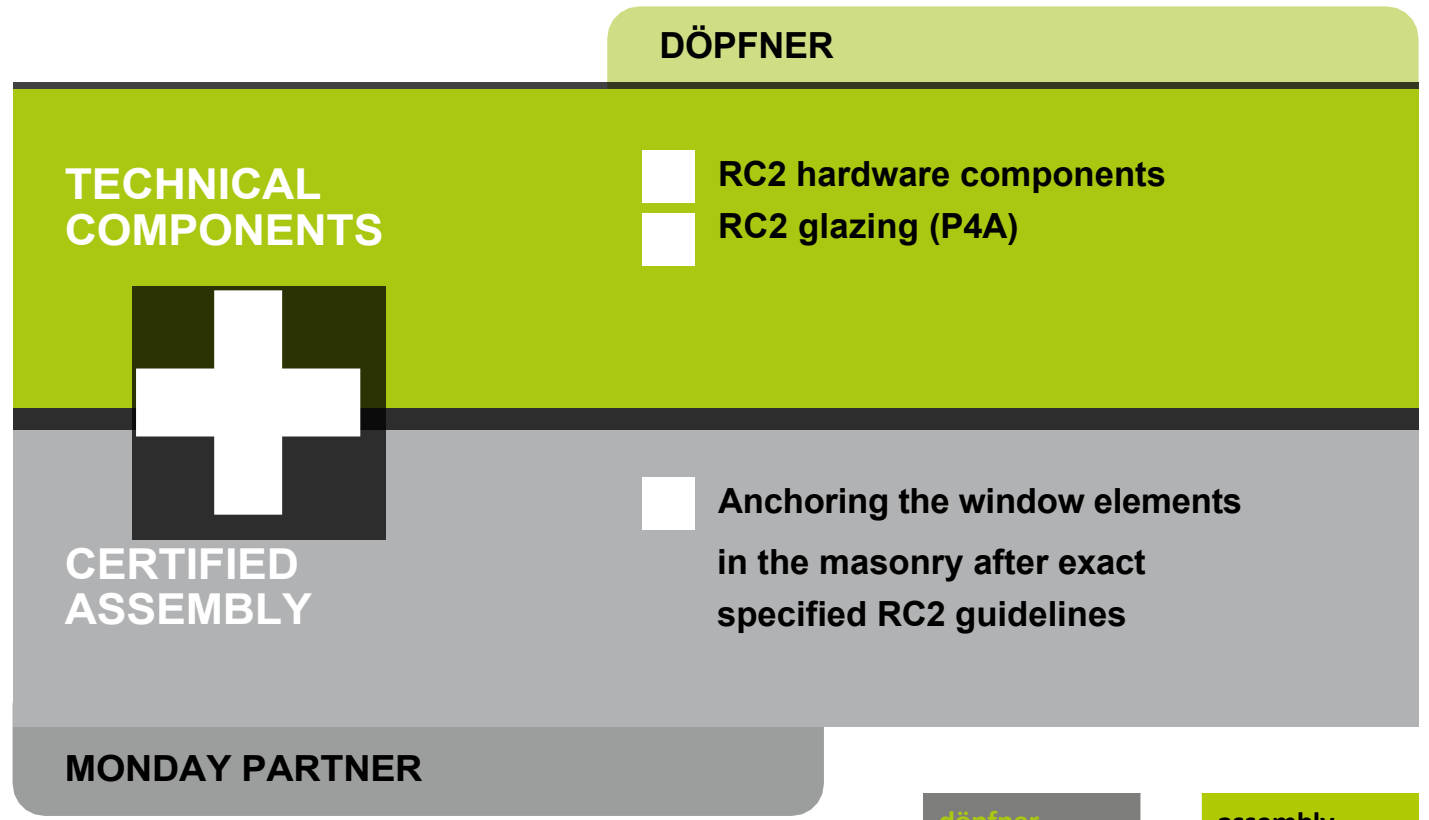


... ABOUT THE WINDOWS

**THE QUICK AND EASY WAY
FOR OPTIMUM SECURITY IN YOUR HOME DÖPFNER
WINDOWS WITH RC2 SECURITY!**

DÖPFNER window elements with security level RC2 (resistance class 2) are the solution for optimized security at a truly affordable price, both for new construction projects and for renovations.

Even the basic version of DÖPFNER windows is designed to be very stable and durable. However, the RC2 standard provides even greater burglar resistance thanks to a number of optimizations - and not just in theory, but tested and certified in practice.



RC2

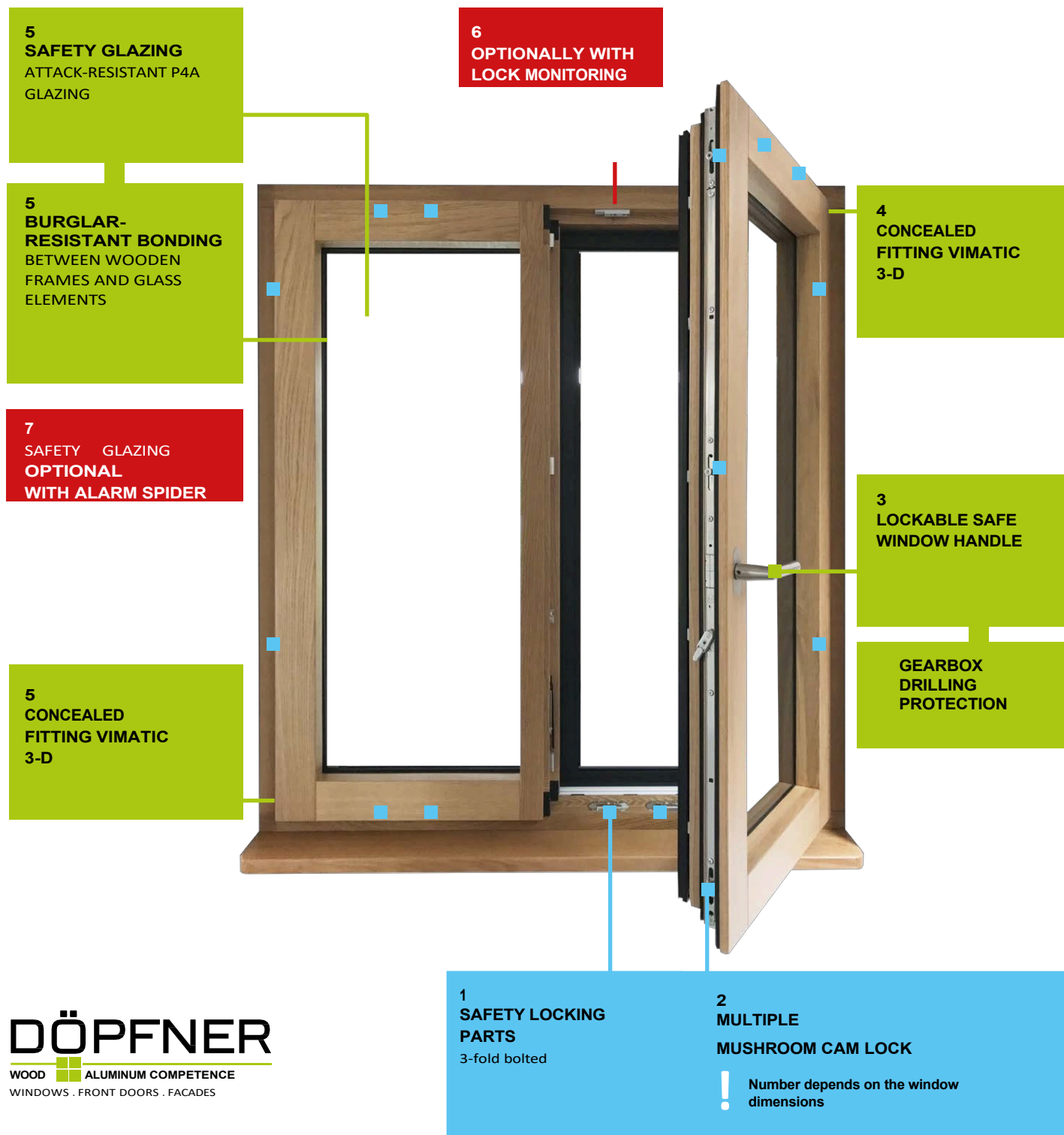
COMPONENTS IN DETAIL



RC2 SECURITY PACKAGE WINDOWS.

THESE ARE THE INDIVIDUAL COMPONENTS.

A chain is only as strong as its weakest link. This also applies to security windows. All security-relevant components must be optimally coordinated - and RC2 (resistance class 2) windows must undergo rigorous testing to prove that they meet all requirements.



RC2 STANDARD PACKAGE FITTING



NEW: RC 2 SAFETY INSULATING GLAZING

P4A LIGHT BURGLAR-RESISTANT



LIGHT IN WEIGHT. STRONG IN SAFETY!

- Can be used for security windows in accordance with resistance class RC-2
- Up to 10 kg/m² less glass weight compared to standard burglar-resistant glazing
- Up to 25% lighter than a comparable glass structure with standard 10 mm P4A glazing.
- More daylight creates bright and friendly living spaces
- The stress on the frame profile and fittings is greatly reduced due to the lower weight
- Easier handling during glass installation and window installation
- Integrated sound insulation thanks to the laminated safety glass at no extra cost



RC 2 SAFETY INSULATING GLAZING P4A LIGHT BURGLAR-RESISTANT

AVAILABLE IN THREE VARIANTS



VARIANT 1

Double **glazing** with burglar-resistant glazing CLIMAPLUS STADIP PROTECT P4A Light as outer pane or inner pane



VARIANT 2

Triple **glazing** with burglar-resistant glazing CLIMAPLUS STADIP PROTECT P4A Light as outer pane or inner pane



VARIANT 3

Triple **glazing** with burglar-resistant glazing CLIMAPLUS STADIP PROTECT P4A Light in the middle

Technical data

GLAZING	U _g -value in W/m ² K	TL value in %	g-value in %	Weight in kg/m ²
Double insulating glass				
STADIP PROTECT P4A Light variant 1	1,1	81 %	60 %	20
Triple insulating glass				
STADIP PROTECT P4A Light variant 2	0,6	73 %	50 %	30
STADIP PROTECT P4A Light variant 3	0,6	73 %	53 %	30

döpfner security. RC2 windows

RC2 OPTIONAL EQUIPMENT



Shutter monitoring
with magnetic contacts



Cable transition
(required for the electronic functions)

Alarm spider
to report glass breakage

**THE RC2 WINDOW IS FOR
THE FOLLOWING WINDOW SYSTEMS ARE AVAILABLE:**

- DÖPFNER wooden windows
- DÖPFNER wood-aluminum windows
- DÖPFNER-Protect windows

in all available system thicknesses:

- 68**
MM
- 78**
MM
- 88**
MM



DÖPFNER

RC2

ASSEMBLY

GUIDELINES

ASSEMBLY INSTRUCTIONS RC2

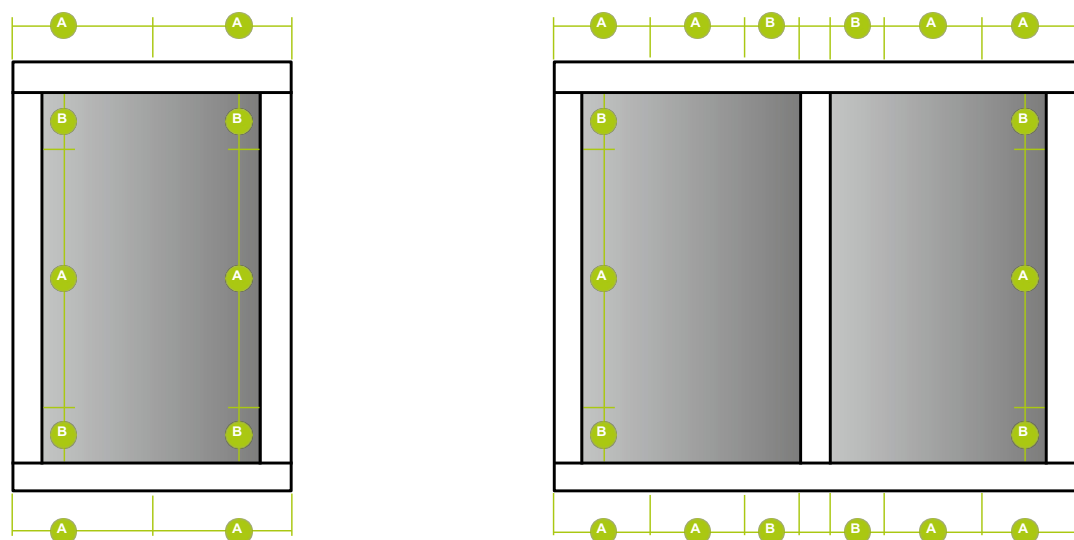
BURGLAR-RESISTANT ELEMENTS ARE ONLY AS GOOD AS THEIR INSTALLATION.

The component must always be installed in accordance with the state of the art. The general specifications of the RAL quality association according to the "Installation guidelines" apply here. The frame must be installed mechanically (screwed) to the masonry. A connection to the masonry only via bonding or foaming is not permitted.

The gap between the outer edge, frame and masonry must not exceed 15 mm. This air must be pressure-resistant at the fixing points and locking points. The drill hole height must have a difference of at least 15 mm to the inside.

Drilling distance from the corners:

- A** = Distance max. 700 mm (for mounting with steel brackets max. 400 mm)
- B** = max. 150 mm



For panels with low sash rebate heights, at least two fixing points must be set on each side.

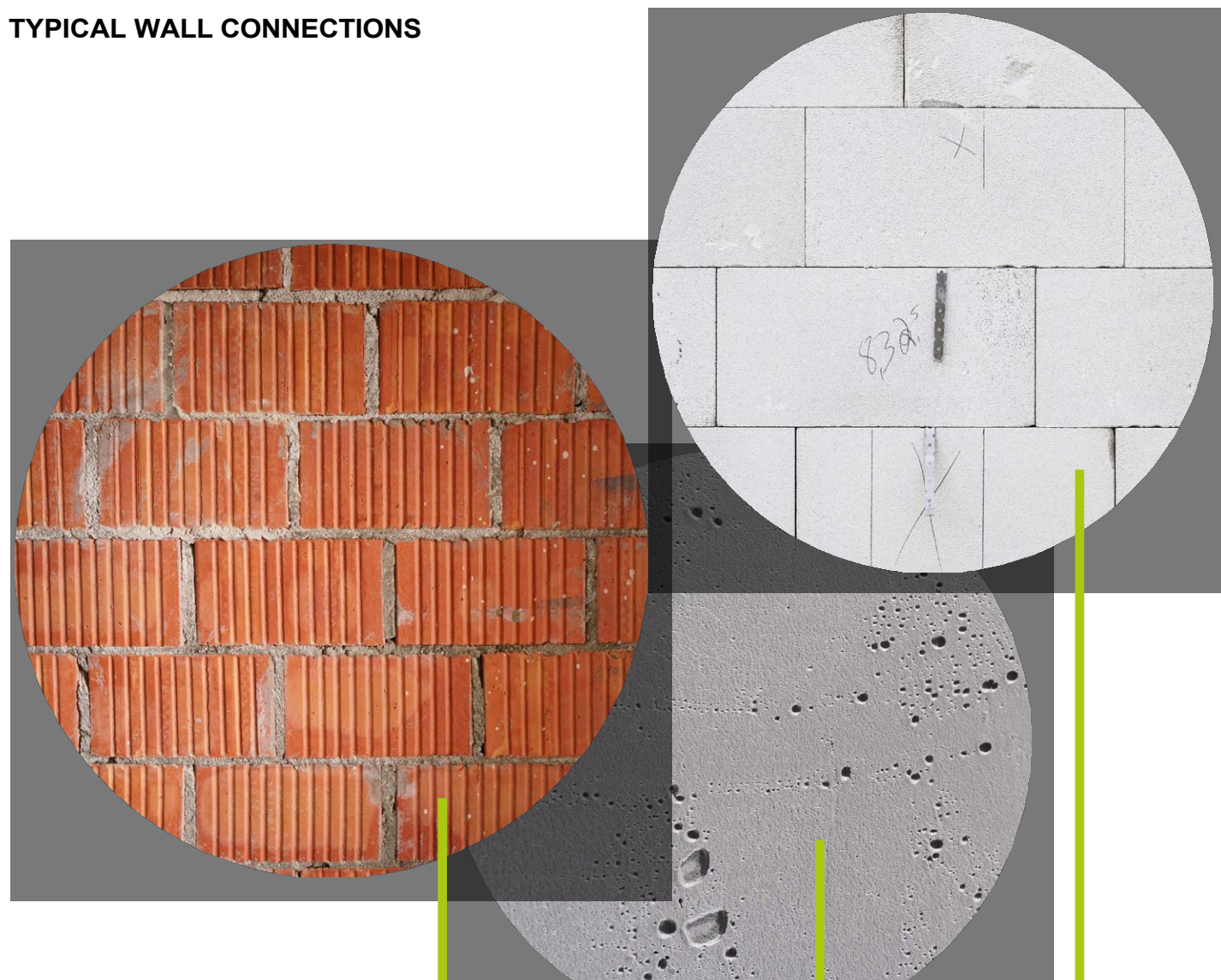
During installation, transoms must be observed in the same way as setting posts (see illustration).

ROLLER SHUTTER BOXES

Roller shutter boxes are installed using brackets or brackets towards the upper masonry. Various manufacturers of roller shutters or external venetian blinds offer solutions for RC2 installation.

These can be designed depending on the roller shutter manufacturer's system.

TYPICAL WALL CONNECTIONS



	Masonry	Reinforced concrete	Aerated concrete
Wall thickness	≥ 115 mm	≥ 100mm	≥ 170 mm
Compressive strength class	≥ 12	≥ B15	≥ 4
Other	Mortar group of at least MG II or DM		The design must be bonded

In the case of timber panel walls, the respective manufacturer's specifications determine whether burglar-resistant building elements may be installed.

In the case of a new building, the data of the wall regarding the compressive strength class is available in the specifications.

In old buildings, it is possible that the stone class is undefined. It is possible to carry out drilling tests here.

Döpfner Betriebs-GmbH+ Co. KG

Max-Planck-Straße 2 D-
97447 Gerolzhofen

Phone +49(0)9382-9742-0
Fax +49(0)9382-9742-22

info@doepfner.de
www.doepfner.de



We reserve the right to make color deviations and printing errors due to technical improvements.



DÖPFNER
WOOD ALUMINUM EXPERTISE
WINDOWS . FRONT DOORS . FACADES