

RESISTANCE CLASS

DIN V ENV 1627

Resistance class

Resistance classes pursuant to DIN V ENV 1627 define the degree of resistance of construction elements offering protection against break-ins. Resistance classes are divided according to the tools used and the expected way of working of the burglar.

The construction elements offering protection against break-ins are divided in to 6 resistance classes at the European level. For use in residential properties a protection according to the requirements of resistance class RC 1 to RC 3 is entirely sufficient.

Resistance class 1 (RC1):

Components in this resistance class, RC 1, provide basic protection against physical attacks such as kicking, flying kick, shoulder charge, lifting upwards and tearing out. Primarily vandalism.

They offer only limited protection against the use of levering tools.

Resistance class 2 (RC2):

Components in this resistance class, RC 2; provide basic protection against physical attacks such as kicking, flying kick, shoulder charge, lifting upwards and tearing out. In addition the opportunistic criminal may use simple tools such as screwdrivers, pliers and wedges to open the locked and barred components.

Resistance time: at least 3 minutes.

The property of the glass is considered to be impact resistant.

Resistance class 3 (RC3):

Components in this resistance class, RC 3, provide basic protection against physical attacks such as kicking, flying kick, shoulder charge, lifting upwards and tearing out. In addition the criminal may use levering tools such as a second screwdriver or a crowbar

Resistance time: at least 5 minutes.

The property of the glass is considered to be impact resistant.

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Resistance class 4 (RC4):

Components of resistance class RC 4 provide protection against attempted break-ins by experienced criminals. The criminal may use, in addition, saws and striking tools.

Resistance time: at least 10 minutes.

The property of the glass is considered to be penetration resistant.

Resistance class 5 (RC5):

Components of resistance class RC 5 provide protection against attempted break-ins by experienced criminals. The criminal may use electric tools in addition.

Resistance time: at least 15 minutes.

The property of the glass is considered to be penetration resistant.

Resistance class 6 (RC6):

Components of resistance class RC 6 provide protection against attempted break-ins by experienced criminals. The criminal may use bigger electric tools in addition.

Resistance time: at least 20 minutes.

The property of the glass is considered to be penetration resistant.