



More than just doors

# B12A

## Stability meets security

The hygienic exterior door in accordance with DIN EN 14351-1



# B12A

## The new standard for exterior doors

### Sturdy structure

The B12A is as impervious to thermal and weather-related influences as it is to continuous use. The technical and electronic components, such as cables, supply lines, electric strikes and motor locks, are effectively protected thanks to the special design.

### High security

The robust design offers a high level of break-in protection – optionally with RC2 classification. In addition, the B12A is approved for escape routes (emergency exits).

### Optimum insulation

Due to its design, the B12A is suitable as an exterior door for any temperature range and meets the requirements of the energy-saving regulations. Thanks to the sealing layer in the frame, the B12A is rainwater-tight and not only provides an airtight exterior seal, but can also permanently withstand driving rain and high wind loads.

### Dependable hygiene

The B12A benefits from the use of non-toxic, corrosion-resistant and detergent-resistant materials – and thus complies with the strict high hygiene standards of the food industry.

### Configurability

Depending on the installation situation, the B12A can be equipped with numerous additional options. As a result it is consistently recommended for use as an external door in almost any business area.

## One door – many advantages

The versatile product features make the B12A a reliable, robust and durable exterior door for any installation situation. It is ideal for closing off service, refrigeration or freezer rooms from the outside. In addition, the B12A (door leaf with frame) is available in various RAL colours and blends perfectly into the building's visual design.

## Convincing across the board

- Solid construction, warp-resistant, weatherproof
- Certified quality: MPA NRW Quality Label
- Certified safety in accordance with DIN EN standards, CE marking
- Optimum insulation for increased requirements as per the Energy Saving Ordinance (EnEV)
- Dependable hygiene in all areas
- Numerous equipment options, configurable for every area of application
- Wide colour spectrum for a uniform appearance of the façade

### **Do you have any questions? We have the answers.**

Contact us – phone: +49 (0)5422 609-0, E-mail: [info@coolit.de](mailto:info@coolit.de)

**More information is available at: [www.coolit.de](http://www.coolit.de)**



**1** Long escutcheon set, reinforced, class ES1 (RC2 standard), optional access control

**2** Strike plate

**3** VA hinge

**4** Thermotec labyrinth frame with 3-part VA hinge

# Technical data

## Application and temperature range

Operating room, cold store (+1 °C to +8 °C ), freezer room (0 °C to -28 °C)

## Dimensions

Clear width (CW)	minimum: 800 mm, maximum: 1,200 mm
Clear height (CH)	minimum: 1,900 mm, maximum: 2,300 mm
Special sizes	Special sizes on request
Leaf thickness (door leaf)	120 mm

## Material

### Door leaf, surface

Stainless steel (CNS)	• V2A (1.4301) brushed, duplo finish 180 grain smoothed, longitudinal grain or linen structure • V4A (1.4404) brushed or duplo finish
Galvanised sheet steel	• Coloured (painted) or foil-laminated (various RAL colours on request) • Optional: 2-colour painted or foil-laminated (door leaf inside and outside)

### Insulating core

Polyurethane foam with increased bulk density

## Frame

Thermotec labyrinth frame with counter frame variants	• Installation in masonry: wall anchor, drill hole on soffit side • Installation in element (panel): Clamp frame
Sheet metal lining	Without sheet metal lining, with sheet metal lining as on door leaf (hinge side) or sheet metal lining stainless steel duplo finish
4-sided circumferential frame	Optional (required for freezer version)

## Sill

Sealing sill, external sill or 4-sided circumferential frame

## Hinges

Number of hinges: 3

3-part VA door hinge with plain bearing and safety bolt to prevent disassembly

## Door fitting

### Version for service rooms

- |  |  |
|--|--|
| • Stainless steel lever handle + lever handle escutcheon | • Stainless steel lever handle + lever handle emergency release escutcheon |
| • Stainless steel knob + lever handle escutcheon         | • Stainless steel knob + lever handle emergency release escutcheon         |
| • Stainless steel lever handle + panic bar               | • Stainless steel knob + panic bar   |
| • Plastic lever handle + panic bar, black/red            | • Plastic knob + panic bar, black/red                                      |

### Version for cold stores and freezer rooms

cool it press lever

Smooth exterior + cool it inner lever

## Profile cylinder

With profile cylinder (PZ), PZ preparation or without PZ (and without PZ penetration)

## Special equipment (optional)

Heated frame for freezer-room version in combination with cool it press lever

Electric door opener / access control system

Window 40 x 60 cm with triple laminated safety glass in plastic frame or 40 x 60 cm window with triple laminated safety glass in stainless steel frame

Motor lock (specification on request)

Overhead door closer with inside sliding frame or overhead door closer with inside rods

PE ram protection or stainless steel ram protection

Rain canopy made of VA, mounted to the frame

Bolt contact (specification on request)

Door contact switch (specification on request)



# Technical data

## Standards and approvals

### Product standard for exterior doors: DIN EN 14351-1

Air permeability to DIN EN 12207	Pressure class 4 / Draught class 3
Tightness against driving rain to DIN EN 12208	Class 4A (outward opening)
Resistance to wind load to DIN EN 12211	Class 4
U value to DIN EN 14351-1 / DIN EN ISO 10077-1 (W/m <sup>2</sup> *K)	• Door without standard window: U <sub>w</sub> = 0.596 • Door with window 40 x 60 cm: U <sub>w</sub> = 0.776
Mechanical stress to DIN EN 1191	C5 = 200,000 cycles, voluntary = 500,000 cycles
Break-in resistance to DIN EN1627	• RC2 standard concrete and masonry • RC2 for panel with subframe
Escape route to DIN EN 179 (instructed personnel)	Tested for press lever and lever handle

### Operating room door with long escutcheon set

CE marking to DIN EN 14351-1	•
Approval for escape routes to DIN EN 179	In combination with panic lock
Break-in protection RC2	Optionally available

### Cold store and freezer room door with press lever

CE marking to DIN EN 14351-1	•
Approval for escape routes to DIN EN 179	•

If you require further information on equipment options and technical details, cool it will be happy to help.

Our declaration of performance is available at: [www.coolit.de](http://www.coolit.de)



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