

Agri-coating

Available with agri-coating for long lifespan in agricultural environment.

Available with fire resistant properties and classified as fire class B-s2,d0.

Foodsafe

Fireproof

Special edition for the food industry. The coating complies with the prescribed hygiene regulations.



ABOUT FALK BUILDING SYSTEMS

FALK Building Systems manufactures insulated metal panels that can be used for roofs, walls, and facades. These sandwich panels are a sustainable and versatile roofing and facade solution, and highly determine the identity of your building. However, at FALK you determine this identity. Especially, now that you can choose a circular sandwich panel that comes with our CradleCore[®] insulation core. On top of that, you can also pick your roof or wall colour, the insulation value and type of coating, yourself.

By operating two production lines, FALK can quickly and adequately deliver the right products at the right location. In recent years, millions of square metres of FALK panels have been mounted on utility buildings, houses, barns, showrooms, and all other building types.

FALK, clever construction for a circular future.



be derived from it.



Neonstraat 23 6718 WX Ede Holland

CERTIFICATES

Member of









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FALK Bouwsystemen B.V.

info@falkbouwsystemen.nl www.falkbouwsystemen.nl 1170 MM WIDTH **THE INTERNAL WALL**

PRODUCT SPECIFICATIONS



Widely applicable as internal wall, ceiling & facade

Quick to assemble and widely applicable in the industrial and agricultural sector. These are the features of a FALK 1170 WZ panel. In an efficient manner you create a beautiful internal wall, ceiling or facade.

A beautiful facade panel

This beautiful panel is visible screwed and available in two thicknesses: 40 mm and 60 mm. In addition to that you can choose from a maxirib-, microrib- or boxprofile. They are vertical and horizontal assembled and are available in length till 20.000 mm. This panel offers you many options in design and application.

Applicable as internal wall

The FALK 1160 WZ is light weighted and therefore suitable for an internal wall panel. You can reach relatively large spans. In addition to that, you can create several spaces, but the panel can also serve as a carrier of the FALK Rabat 500 profileplates for a wall application.

A wide range in colors and coatings

FALK offers a wide range in colors and coatings, which makes the FALK 1170 WZ suitable for diverse environments: from foodprocessing till machine storage. Furthermore, the panel meets the requirements of the fire class B-s2,d0.



FALK 1170 WZ

PRODUCT SPECIFICATION

Core thickness [mm]	R-value [m²K/W]	Rc-value [m²K/W]
40	1,87	1,78
60	2,81	2,72

STANDARD VERSION

1.170 mm
Microrib, maxirib, box inner- en c
PIR-insulation foam (CradleCore
Outer side: Colorcoat HPS200 U Inner side: Polyester 25 mu (othe
Outer sheet: 0,5 mm (standard) Inner sheet: 0,4 mm (standard)
2.500 mm (shorter on request)
20.000 mm
Supplied as standard with protec
Circa 25 dB(A)
NEN-EN 14509
NEN-EN 14509

U-value [m²K/W]	Weight* [kg/m ²]	Fire class [-]
0,53	9,2	B-s2,d0
0,35	10,0	B-s2,d0

FALK 1170 WZ LOAD SPAN TABLE

Thickness		Wind zone 1			Wind zone 2		Wind	zone 3
[mm]	Cultivated [m]	Uncultivated [m]	Coast [m]	Cultivated [m]	Uncultivated [m]	Coast [m]	Cultivated [m]	Uncultivated [m]
40	2,35	2,22	2,00	2,44	2,32	2,08	2,56	2,42
60	2,89	2,73	2,46	3,01	2,85	2,57	3,14	2,98

This table is based on the Dutch requirements. For your own specific situation, please contact us.

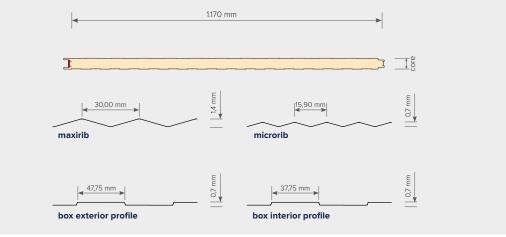
Explanation of load span table

The acceptable spans in the above table are based on the assumptions below. Does the project-specific situation differ from these starting points? Or do you need a project specific calculation? Please contact FALK Techniek: (0318) 670 670.

Principles:

a.	Give acceptable spans are in meters
b.	Wind zones and surroudings in accordance with NEN-EN 1991-1-4, building height up to 9 metres

- For the determination of the occurring wind load, a closed building with the wind zones in the middle area of the c. building is assumed (note: increased win load can occur at the edges of a building!)
- Thicknesses of steel sheets: 0,5 mm (outer sheet) and 0,4 mm (inner sheet) d.
- Result class CC1: Agricultural buildings and industrial buildings up to two storeys in length ρ
- Strength and stiffness of the sandwich panels according to NEN-EN 14509
- Color group: 3 (dark colors like RAL 7016)
- A double field span (least favourable situation)
- Deflection: L/150.
- Application: Facade



en outside profiling

ore[®] on request)

00 Ultra[®] (other coatings on request) other coatings on request)

otective foil on the outer plate