

PRODUCT SPECIFICATIONS



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



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



Foodsafe
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.**



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CERTIFICATES



**1170 MM WIDTH
THE INTERNAL WALL**

PRODUCT SPECIFICATIONS
FALK 1170 WZ

FALK 1170 WZ

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.



PRODUCT SPECIFICATION

Core thickness [mm]	R-value [m ² K/W]	Rc-value [m ² K/W]	U-value [m ² K/W]	Weight* [kg/m ²]	Fire class [-]
40	1,87	1,78	0,53	9,2	B-s2,d0
60	2,81	2,72	0,35	10,0	B-s2,d0

STANDARD VERSION

Working width:	1.170 mm
Profiling:	Microrib, maxirib, box inner- en outside profiling
Core insulation:	PIR-insulation foam (CradleCore® on request)
Coating:	Outer side: Colorcoat HPS200 Ultra® (other coatings on request) Inner side: Polyester 25 mu (other coatings on request)
Steel thicknesses:	Outer sheet: 0,5 mm (standard) Inner sheet: 0,4 mm (standard)
Minimum length:	2.500 mm (shorter on request)
Maximum length:	20.000 mm
Packing:	Supplied as standard with protective foil on the outer plate
Sound insulation:	Circa 25 dB(A)
Application:	
CE-marking:	NEN-EN 14509
Tolerances:	NEN-EN 14509

FALK 1170 WZ LOAD SPAN TABLE

Thickness [mm]	Wind zone 1			Wind zone 2			Wind zone 3	
	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:

- Give acceptable spans are in meters
- Wind zones and surroundings 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 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)
- Result class CC1: Agricultural buildings and industrial buildings up to two storeys in length
- 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

CROSS SECTION

