

PRODUCT SPECIFICATIONS



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



Fireproof
Available with fire resistant properties and classified as fire class B-s1-d0.



Preservation+
This version is especially developed for a durable and condensation free wall and roof construction.



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



FM-certified
This sandwich panel is FM-certified.*



Zulassung
This product satisfies the German Zulassung.

* If you like to have your order FM-certified, let us know in advance.

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



FALK Bouwsystemen B.V.

Neonstraat 23
6718 WX Ede
Holland

(0318) 670 670
info@falkbouwsystemen.nl
www.falkbouwsystemen.nl

version: 2021-12

**CONCEALED CONFIRMATION
SEVERAL PROFILES**

PRODUCT SPECIFICATION
FALK 1060 WB



Horizontal and vertical assembled with concealed confirmation

From residential building till car repair and from hall till stable.

Due to the diverse profiles and colors, FALK 1060 WB is versatile applicable. There is lots of creative freedom because the facade panel is concealed assembled. The FALK 1060 WB is suitable for facade, internal wall or ceiling.

Concealed confirmation, high airtightness

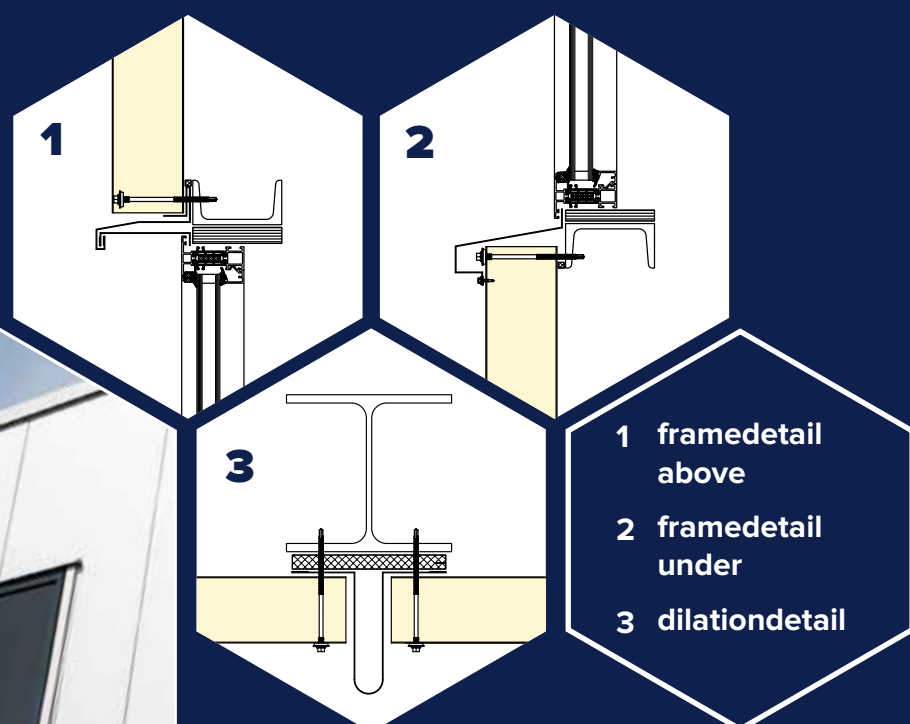
After assembling, the fasteners are not visible. This is due to the 'blind' (cover) fasteners. The FALK facade panel 1060 WB exist of two profiled steel plates with an isolation core in between. The isolation achieves a RC-value of 7,35 M2K/W. The high airtightness of FALK 1060 WB is so high that this belongs to the category 'Passive Building'.

Lots of freedom for personal design

For the profiling of the outer sheet, you can choose from a maxirib-, microrib-, or boxprofiling. The panels can be assembled vertal and horizontal. Combined with our wide range of colors, you have lots of freedom for personal design of your building.

The industrial and agricultural sector

The FALK 1060 WB is versatile applicable in the industrial and agricultural sector. From stables to logistics centers. This panel owns an international quality- and safety mark FM Approved. It is possible that insurance companies ask for mark. Pay attention, in case you like to have a panel FM Approved, you need to let us know in advance.



FALK 1060 WB

PRODUCT SPECIFICATIONS

** available on request

Core thickness [mm]	R-value [m²K/W]	Rc-value [m²K/W]	U-value [m²K/W]	Weight* [kg/m²]	Fire class [-]	Fire Resistance [min.]
60	2,70	2,61	0,37	12,0	B-s1,d0	-
80	3,63	3,55	0,28	12,8	B-s1,d0	EW60
100	4,56	4,50	0,22	13,6	B-s1,d0	EW30, EI30
120	5,50	5,45	0,18	14,4	B-s1,d0	EW30, EI30
140 **	6,45	6,40	0,15	15,2	B-s1,d0	EW30, EI30
160 **	7,40	7,35	0,13	16,0	B-s1,d0	EW60, EI60

Insurance companies can ask for this. Pay attention, in case you like to have a panel FM Approved, you need to let it know in advance.

STANDARD VERSION

Working width:	1.060 mm
Profiling:	Microrib, maxirib, box inner- and outer profiling
Core Insulation:	PIR-insulating foam (CradleCore® available upon request)
Coating:	Outer sheet: Colorcoat HPS200 Ultra® (other coatings available upon request) Inner sheet: Polyester 25 mu (other coatings available upon request)
Steel thickness:	Outer sheet: 0,5 mm (standard) Inner sheet: 0,4 mm (standard)
Minimum length:	2.500 mm (shorter upon 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 1060 WB 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]
60	3,79	3,52	3,08	4,00	3,71	3,25	4,27	3,94
80	4,39	4,08	3,57	4,63	4,31	3,76	4,94	4,56
100	4,92	4,57	4,00	5,19	4,83	4,21	5,53	5,11
120	5,49	5,10	4,39	5,79	5,38	4,70	6,17	5,70
140	6,05	5,62	4,75	6,37	5,93	5,18	6,79	6,28
160	6,41	5,97	4,93	6,75	6,29	5,41	7,18	6,65

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: (031 318) 670 670.

Principles:

- Acceptable spans are in metres
- 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 wind zones in the middle area of the building is assumed (note: increased wind load may occur on the sides 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 height
- 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 (Outdoor application)

CROSS SECTION

