




ASW-PIR FR PLUS Insulation Panels

Premium quality fire-retardant
insulation for agricultural and
industrial buildings

bouwimpex



ASW-PIR FR PLUS

Insulation panels

- Excellent fire class (B-S2-D0 as placed on the market)
- Very good insulation value – Lambda 0,020 W/(m.K)
- 100mu strong aluminium stucco film
- Available in thicknesses of 40 to 100 mm
- Available in lengths of up to 8000 mm (project dimensions on request)
- Constructed from HCFC free PIR hard foam
- Compression strength 32 kg/m³
- White visible side, allowing for good light dispersion
- Fast delivery on pallets, unloaded on the construction panels with truck-mounted forklift
- Easy to clean and install

Optimum conditions in the stall, with the best insulation

Animal welfare is playing an increasingly important role in construction projects within the agricultural industry. Not only does the safety of animals in stalls have the highest priority, animals also thrive better with the right ambient temperatures, allowing for an increase in growth and productivity.

The highest level of fire safety, a healthy ambient climate and lower energy costs

In order to meet the increasingly strict rules that apply to agricultural construction, Bouwimpex has developed a new fire-retardant insulation panel. With ASW-PIR FR PLUS insulation, you can choose a solution which directly contributes to a healthy indoor climate, lower energy costs and increased fire safety in stalls and agricultural buildings.

Excellent fire class & good light dispersion

ASW-PIR FR PLUS insulation panels are manufactured from entirely HCFC free PIR hard foam and have a special fire-retardant core. The product has an excellent fire class (tested as B-S2-D0 as market placement) and has a Lambda value of 0,020 W/(m.K).

Due to high thermal performance, a particularly good insulation value is already achievable with a thin insulation panel.

The insulation panels are fitted with a strong aluminium stucco film (100µm) with a white visible side. This ensures better light dispersion so that work in the stall can be carried out in a better way, while also ensuring that results are able to be demonstrably improved. The product is also easy to clean. This improves hygiene and contributes to the prevention of diseases.

ASW-PIR FR PLUS insulation panels are available in thicknesses from 40 to 100 mm and are available as standard up to a length 8000 mm. On request, we can arrange for production according to project dimensions. The insulation panels are delivered, well packaged, on pallets allowing for damage caused by displacement to be virtually ruled out. A truck-mounted forklift is used for swift delivery to the construction site.

Simple installation and a hygienic ceiling

Due to the light weight and stiffness of the panel, installation is quick and smooth. We recommend that you install the insulation under the purlin; this will ensure optimum ventilation and a smooth, continuous ceiling that is easier to clean. Due to the high compression strength, insulation panels can also be installed directly to the purlins. This means that the fibre cement panels can be mounted directly onto the insulation.

Applications

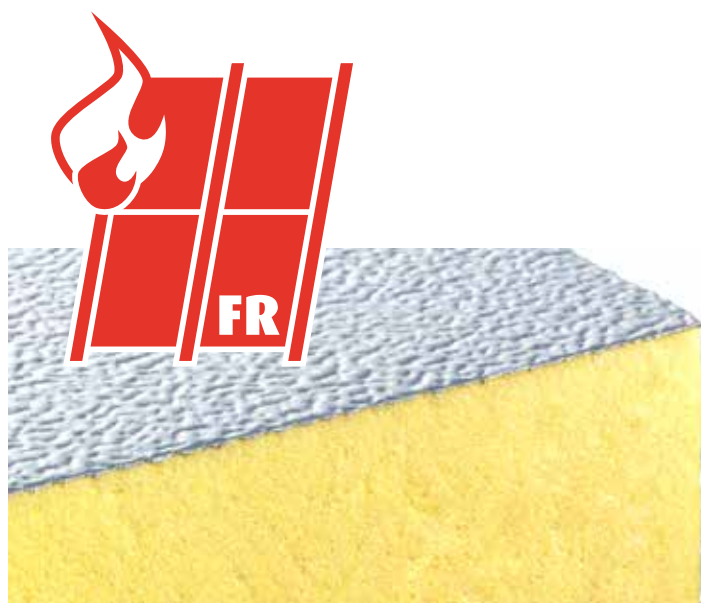
New construction and renovation of agricultural and industrial buildings where fire safety plays an important role; in particular, the livestock industry. However, the product can be widely used within the agricultural and industrial industry.

Technical data	
Material	hard PIR foam (Polyisocyanurate)
Insulation	Lambda value 0,020 W/(m.K)
Volume mass/compression strength	32 kg/m ³
Fire behaviour/fire class	B-S2-D0 as placed on the market according to EN 13501-1
HCFK content	0%
Posting	two-sided aluminium stucco film, white visible side (100mu)

Dimensions

ASW-PIR FR PLUS insulation panels are available in the standard lengths of 2500 to 8000 mm and in thicknesses of 40 to 100 mm (increasing per 10 mm). Project dimensions can be produced on request. Special edge finishes are possible.

Thickness in mm	R-value (m ² K/W)
40	2,00
50	2,50
60	3,00
70	3,50
80	4,00
100	5,00





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