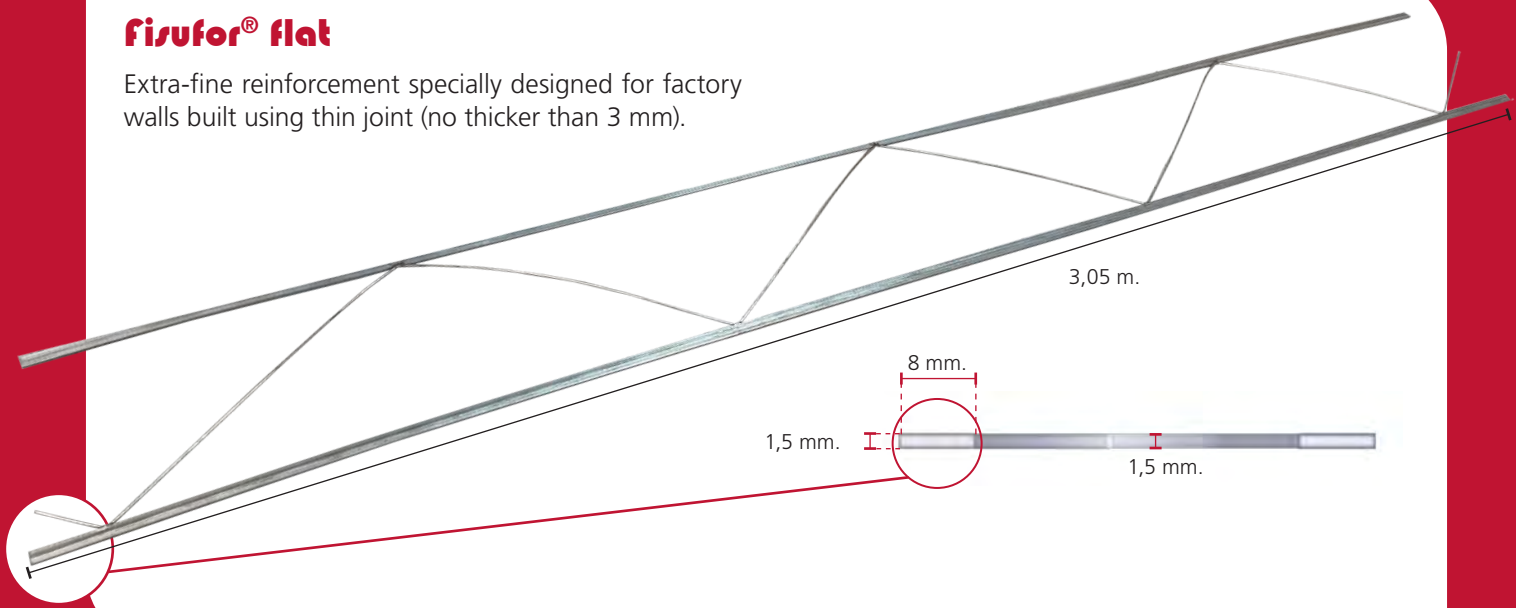
Steel for bricks

Bed joint reinforcement
fisufor® flat

fisufor® flat

Extra-fine reinforcement specially designed for factory walls built using thin joint (no thicker than 3 mm).



Prefabricated bed joint reinforcement **comprising two parallel longitudinal wires** that are joined by a central wire. The central wire is shaped in the form of a truss structure and soldered on the same plane along the inside of the longitudinal wires. Thus, the maximum thickness of the reinforcement is equal to that of the longitudinal wires.

Name	Width	Wires longitudinal	Wires transversal	Lenght	Finish
fisufor flat 040	40	8x1,5mm	1,5mm	3,05m	Z ó i
fisufor flat 090	90				
fisufor flat 140	140				
fisufor flat 190	190				

Presentation

fisufor® flat

- 3050 mm pieces.
- Packs of 25 units.
- Pallets with 80 packs (2000 units or 6100 ml).

Each pack contains an identification label with a product description, bar code and batch number.

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The importance of the right reinforcement and compliance with C.T.E. and E.C.6

A minimal cross-section of reinforcement must be in place in order to consider that a factory wall is reinforced, both in terms of providing ductility and preventing cracking and to increase its resistance against lateral loads.

Under current legislations, the area of bed joint reinforcement when calculating the amount of reinforcement in a factory wall must not be less than 0.03% of the gross area of the cross-section of the wall, while the vertical separation must be less than 600 mm.

It is important to highlight that the CE marking of a product is a seal of quality that is obtained based on a harmonized product standard. Regardless of this, when a product is incorporated into a structural element, it is also necessary to comply with the specifications defined in the current CTE and EC-6 building standards.

Table of amounts of reinforcement (comparisons)

			Minimum amount 0,03%			Maximum amount between reinforcements		
			Wall thickness			Wall thickness		
Type of reinforcement		Area (mm^2)	10 cm	14 cm	19 cm	10 cm	14 cm	19 cm
fisufor flat		25,76	30mm^2/m	42mm^2/m	57mm^2/m	60 cm*	60 cm*	45 cm
Other flat reinforcements	7 Wires	4,83				16 cm	11,5 cm	8,5 cm
	14 Wires	9,66				32 cm	23 cm	17 cm

* Calculations give a greater separation; the maximum distance per regulations is 60 cm.

Any reinforcement provision must meet the minimum amounts defined in the current building standard, regardless of the strength of the steel with which the reinforcement is manufactured.

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