

Product data sheet

strawplate



ZERTIFIKATE

Formaldehyde/AgBB K 8158 FM - Zert
Behaviour in fire K-2301/185/19-MPA BS
Mould K 8892 FM

PROPERTIES

The strawplate is a 100% natural and environmentally friendly plate. It convinces through its certified properties like the freedom of formaldehyde and the flame retardancy (B-s1,d0). The plate consists of purely natural material – straw and minerals – and due to its water resistance as well as the breathability it contributes to healthy living environment in a high degree.

APPLICATION

Conceived as highly efficient construction board for interior work the straw plate is well suitable both for application in dry and damp rooms.

STORING

The plates are to store flat and dry on solid bases in aerated building.

PROCESSING

The light straw plates can be processed with conventional compass saw, band saw, disk saw or ribbon saw. Because of the dust that occurs, it is recommended to wear respiratory protection.

DANGER INDICATIONS

None

NOTES

Please note the relevant processing instructions. In addition the generally accepted technical standards apply. The information given in this notification must be followed. Processors are obliged to check the suitability and application possibilities for the intended purpose.

Our information only describes the properties of our products and services and does not constitute a guarantee.



low-flammable



water resistant



formaldehyde free



mould resistant



diffusion open



100% natural



preserving the „green lung“



environmentally friendly



CO2 binding



recyclable



biodegradable

TECHNICAL DATA

Features	Standard	Measured values	Unit
Dimensions	-	1200 x 800	mm
Thickness	-	19	mm
State of surface	-	smoothed	-
Uniformity of thickness smoothed	EN 300	±0,3	mm
Apparent density	DIN EN 323	ca. 650	kg/m ³
Thickness swell	DIN EN 317	0,29	%
Edge shape	-	blunt	-
Change in length	EN 300	±0,3	mm
Squareness	EN 300	±0,3	mm
Caloric conductivity	EN 12664	0,115	W/(m*K)
Behaviour in fire	DIN EN 13501-1	B-s1 d0	class
Transverse tensile strength	EN 319	0,32	N/mm ²
Formaldehyde	AgBB 02/2015 VVOC-,VOC and SVOC-emission	A+	category
Water vapor permeability sd	DIN EN 12086	0,10	m
Water vapour resistance factor	DIN EN 12086	5,3	μ

Technical information - version August 2021

These technical information have been compiled on the basis of the newest level of technology and our experiences. Due to the variety of grounds and object conditions the buyer/ user is not discharged from his duty to check the materials for their suitability for the planned purpose, specialist and trade like.



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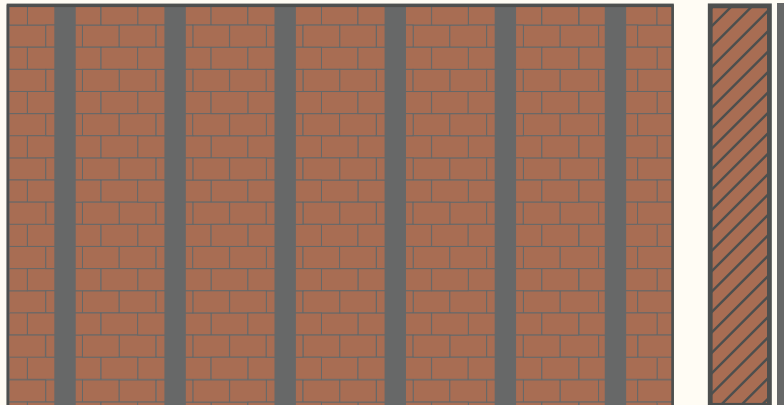
recyclable



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Processing instructions with substructure

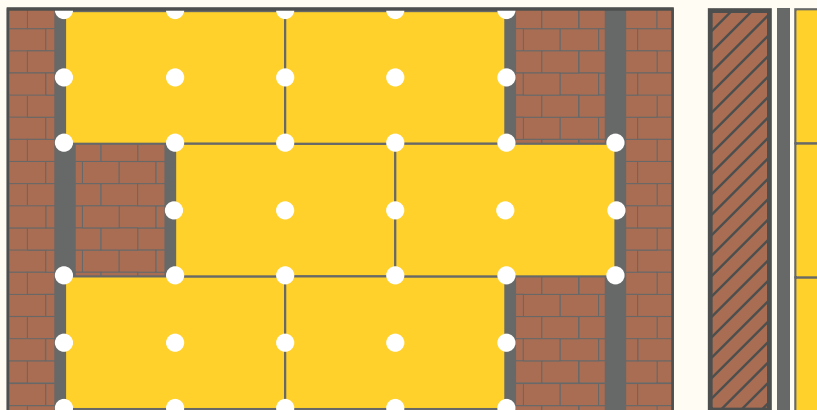
strawplate



Ground and substructure

stand space
max. 60 cm

- ① • Setting up the substructure by using standard technology for drywalls
• stand space amounts max. 60 cm
• while planking ceilings and sloping roofs keep a stand space of max. 40 cm



Installation of the strawplates

- ② • Installing a circulating expansion joint (ceiling, wall, floor) of 5 – 10 mm, filling it with suitable material (e.g. darning hemp, cork, ...)
• Putting the plates in a composite, in that process vertical joints should not stand on top of each other
• If panel joints end in the space between the the stands, put a wood strip behind the joint and screw it together
• Mounting the straw plates with screws at 9 mounting points. (material: corrosion-free mounting material for damp rooms, galvanized wood screws)
• At horizontal ceilings and sloping roofs use screws and washers at 12 mounting points
• The screws should be flush with the surface of the plates



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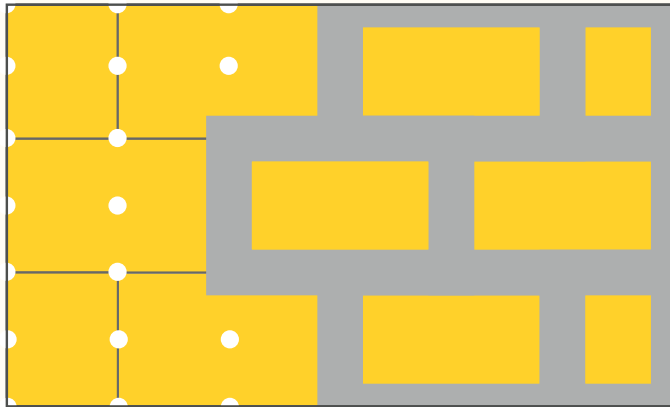
CO2
binding



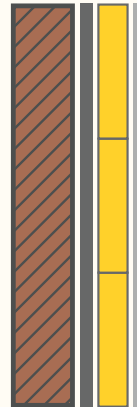
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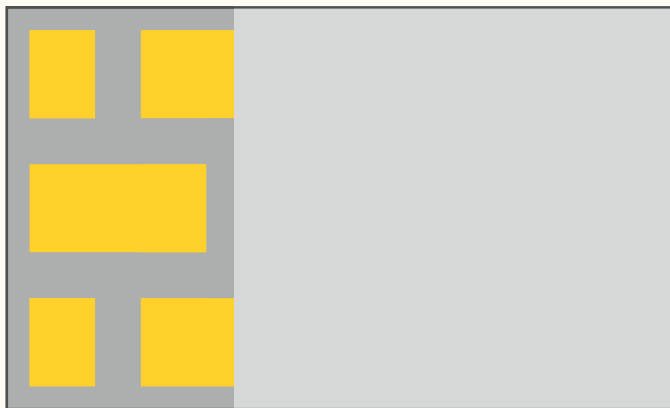
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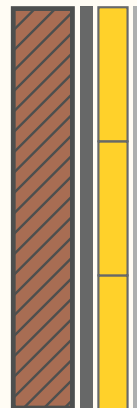
Armouring



- ③ • Applying web stripes (glass fibre or flax web) on the ready installed straw plates and coat it with a thin-layered diffusion-open cast (lime, loam, etc.)



Applying coating



- ④ • filling in a 2-3 mm layer all-over with adhesive mortar
 • for additional support for the composite armouring web can be applied all-over in the sub plaster layer
 • as soon as plaster area is dried up at will the surface can be structured, rubbed, felted or smoothed



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