

Living room plate

Product data sheet



APPLICATION

The living room plate is an ecologically harmful, healthy for living and diffusion-open room plate for the inside area. It consists of shives (annually growing again raw material) and minerals. It's use takes place for heat insulation, mould-sanitation and regulation of moisture. It creates a pleasant and healthy room air condition.

PROCESSING INDICATIONS

Ground preparation

Remove existing mould infestation according to valid regulations. The ground must be bearing and free of old-coatings (oil-paint, dispersions, and similars), level existing unevenness or excess endings with fitting mortar, e.g. lime- or loam-cast. Devilling of the surface and ground at strong sucking ground with deflagration-stop.

Processing

After putting on of diffusion-open armouring-mortar stick living room plate all-over and closely joined on existing walls/ceilings with 8 - 10 mm toothed eave all-over. At this, the adhesive mortar can be absorbed on the wall area or on the plate. Linings should stay free of adhesive mortar.

-  100% natural
-  water resistant
-  low-flammable
-  formaldehyde free
-  mould resistant
-  recycable
-  biodegradable
-  CO2 binding
-  environmentally friendly
-  preserving the „green lung“



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Align the plates and press plane with entire palm of the hand. Place the plates in bond (at least 30 cm offset) and interlock in room corners. An armouring is not urgently necessary but is recommended at heavy frequented areas (material: glass fibre or flax web). If no following armouring is planned, the adhesive mortar should be filled in all-over.

After hardening of the adhesive mortar, at least 12 hours (depending on temperature and humidity), the final coating with thin-layered diffusion-open cast (lime, loam, etc.) is possible. The fitting of edge protection is to recommend at stressed corners. Diffusion-dense final coatings (e.g. coats of paint or dispersion, wallpapers, casts) should not be used.

Indications

The living room plates can be processed with conventional compass saw, band saw, disk saw or ribbon saw.

Storing

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

Danger indications

None

CERTIFICATES

Formaldehyde/AgBB K 8156FM- Cert

Behaviour in fire DIN EN 13501-1:2010-01

Behaviour in low temperature carbonization DIN EN 16733:2016-07

Mould K 8892 FM

Stiffness DIN EN 29052-1

Airborne sound insulation DIN EN ISO 10140-2

Sound absorption factor DIN EN ISO 11654



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TECHNICAL DATA

Features	Standard	Parameters and measured values		Unit
		30 mm	20mm	
Dimensions	DIN EN 822, DIN EN 823	1200 x 600	1200 x 600	mm
Apparent density	DIN EN 1602	ca. 350	ca. 350	kg/m ³
Thickness swell	DIN EN 1604	0,9	0,7	%
Squareness	DIN EN 824	2,9	2,7	mm/ m
Evenness	DIN EN 825	0,7	0,6	mm
Caloric conductivity	DIN EN 12667	0,087	0,087	W/(m*K)
Behaviour in fire	DIN EN 13501	B-s1 d0	B-s1 d0	Klasse
Resistance on extension	DIN EN 1607	74	118	kPa
Compressive resistance	DIN EN 826	758	1022	kPa
Dynamic stiffness	DIN EN 29052-1	s´=286		MN/m ³
Humidity degree at 23°C a. 80°C relative humidity of air	DIN EN ISO 12571	24,2	30,7	%
Water vapour permeability	DIN EN 12086	0,06	0,03	m
Water vapour diffusion resistance coefficient	DIN EN 12086	2,1	1,8	μ
Formaldehyde	AgBB 02/2015 VVOC-,VOC and SVOC-emission	A+	A+	category
Acoustic absorption factor	DIN EN ISO 11654	0,45 (MH)		aw
Airborne sound insulation	DIN EN ISO 10140-2	5,2 dB ± 1,2 dB		Rw

Technical information - version May 2020

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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