REP
reduced emission panel

saib.it

\ TECHNICAL SHEET

REP is a non-load-bearing panel for use in a dry environment (P2), realized with low content of formaldehyde resins.

The REP panel is a certified product in compliance with formaldehyde class F4 STARS - CARB P2 US EPA TSCA Title VI.

Dimensions \ WIDTH 186 - 207- 220 cm \ THICKNESS from 8 to 50 mm

Certified FSC Recycled Product.

Formaldehyde Emissions

CLASS	NORM	METHOD	LIMIT VALUE	COMPARED TEST	LIMIT VALUE
E1	D.M. 10/10/08	EN 717-1	< 0,1 ppm	EN ISO 12460-5	< 8 mg HCHO/100 gr

Mechanics characteristics of REP Raw Chipboard

TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	8-13 mm	> 13-20 mm	> 20-25 mm	> 25-32 mm	> 32-40 mm	> 40 mm
Density	EN 323		Kg/m^3	710 ± 5%	680 ± 5%	670 ± 5%	660 ± 5%	650 ± 5%	640 ± 5%
Tensile strength perpendicular to the face	EN 319	EN 312	N/mm^2	0,4	0,35	0,3	0,25	0,23	0,2
Surface soundness	EN 311	EN 312	N/mm^2	0,8	0,8	0,8	0,8	0,8	0,8
Bending strength	EN 310	EN 312	N/mm^2	13	13	11,5	10	8,5	7,0
Modulus of elasticity in bending	EN 310	EN 312	N/mm^2	1800	1600	1500	1350	1200	1050
Axial withdrawal of screws from the face	EN 320		N		700 ± 10%	700 ± 10%	700 ± 10%	700 ± 10%	700 ± 10%
Axial withdrawal of screws from the edge	EN 320		N		400 ± 10%	400 ± 10%	400 ± 10%	400 ± 10%	400 ± 10%
Swelling in thickness after 2 hours into water	EN 317		% max	16	16	16	16	16	16

General Requirements for REP Raw Chipboard

TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	TOLLERANCES
Smoothed thickness	EN 324/1	EN 312	mm	± 0,3 %
Dimension tolerance	EN 324/1	EN 312	mm	± 5 %
Squaring up tolerance	EN 324/2	EN 312	mm	1,5 mm x meter
Moisture content	EN 322	EN 312	%	9 ± 4
Heat of combustion			Kcal/Kg	4000 - 4300
Reaction to the fire	UNI 9176	UNI 8457 UNI 9174		Class 3

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The values shown in the schedule are by tests of internal laboratory.

Certified Management System

ISO 14001 ISO 9001

contributes to
MRC2,MRC3,IEQC2
credits BD+C (v4)
IT05-18072000

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