

Product Data Sheet

RESOPALIT[®]

Melamine Faced Chipboard according to EN 14322

The following information describes the composition of the Resopalit sheet.

- 1 Material description and Composition**
- 2 Normative reference EN 14322**
- 3 Normative reference EN 14323**
- 4 Other characteristics**

1 Material description and Composition

RESOPALIT® a melamine faced chipboard according to EN 14322 standards for use in the interior area. The chipboard is a three layer board with an extra-fine chip outer layer. The board are manufactured by directly applying uncured melamine resin impregnated high-value papers to both faces of board substrates and achieving bonding and curing in the same process using heat and pressure but without the use of an intermediate adhesive.

2 Normative reference EN 14322

Characteristics	Test method	Unit	requirement		
			Thickness ranges (mm, nominal)		
			< 15	≥ 15 – 20	> 20
Tolerances on nominal dimensions Thickness relative to nominal value	EN 14322	mm	± 0,3		± 0,5
Tolerances on nominal dimensions Thickness within the board	EN 14322	mm	$t_{\text{upper}} - t_{\text{lower}} \leq 0,6$		
Tolerances on nominal dimensions Length and width - commercially available sizes - pre-cut panels	EN 14322	mm mm	± 5 ± 2,5		
Flattness	EN 14322	mm/m	-	≤ 2	
Edge damage - commercially available sizes - pre-cut panels	EN 14322	mm	≤ 10 ≤ 3		
Surface defects	EN 14322	mm ² /m ² mm/m ²	spots ≤ 2 length ≤ 20		
Resistance to scratching	EN 14322	N	≥ 1,5		
Resistance to staining	EN 14322	Rating	≥ 3		
Resistance to cracking	EN 14322	Rating	≥ 3		
Formaldehyde release	EN 717-1/2		Class E1		

Abrasion resistance			
class	IP (initial point) revolutions	WR (wear resistance) revolutions	
2	≥ 50	≥ 150	printed decor
3A	≥ 150	≥ 350	Plain colour decor

3 Normative reference EN 14323

Characteristics	Test method	Unit	requirement
Resistance cigarette burns	EN 14323	rating	2
Resistance to water vapour	EN 14323	rating	≥ 2
Resistance to impact by large diameter steel ball	EN 14323	Drop height in mm	≥ 200
Resistance to colour change in xenon arc light	EN 14323	Blue wool scale	≥ 6
Gloss	EN 14323	60° geometry method	ca. 14 – 20
Surface soundness	EN 311	N/mm ²	≥ 0,9

4 Other characteristics

characteristics:

raw density: ca. 620 - 720 kg/m³

modulus of elasticity: ca. 2500 – 3300 N/mm²

flexural strength: ca. 11 – 17 N/mm²

chipboard-specification: P2 nach EN 312

behaviour in case of fire: standard: B2 (standard grade) according to DIN 4102
on request: B1 (fire retardent) according to DIN 4102

surfaces:

standard: surface 60
matt, insensitive to dirt and fingerprints

on request: surface 20
silk matt, with pleasant solid surface feel

dimensions:

standard: 3.200 mm x 2.050 mm
2.750 mm x 2050 mm
5.500 mm x 2050 mm

thickness:

Standard: 10 mm, 19 mm
on request: 8 mm, 13 mm, 16 mm, 22 mm, 25 mm, 28 mm, 38 mm

All information is based on the current state of technical knowledge, but it does not constitute any form of guarantee. It is the personal responsibility of the user of the products described in this information leaflet to comply with the appropriate laws and regulations.