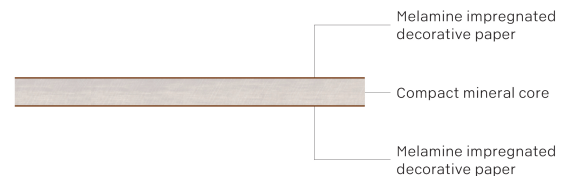


Technical data

Duropal flameprotect compact

Non-combustible fire protection panel of primarily mineral constituents with uniform white-coloured core and decorative melamine resin surface on both sides according to EN 13501-1.

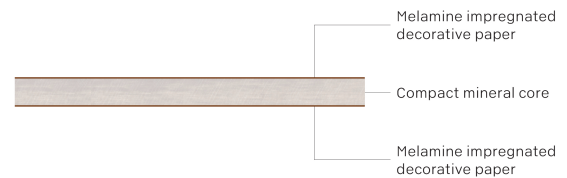


Specification								Unit	Standard
Nominal thickness	3	4	5	6	7	8	9	mm	
Tolerance on thickness								mm	EN 438-2:2016
Tolerance on length								mm	EN 438-2:2016
Tolerance on width								mm	EN 438-2:2016
Surface defects								mm ² /m ² mm/m ²	produced acc. to EN 438-4:2016
Edge defects								mm	produced acc. to EN 438-4:2016
Straightness of edges								mm/m	EN 438-2:2016
Squareness								mm/m	EN 438-2:2016
Flatness	max. 8	max. 8	max. 8	max. 5	max. 5	max. 5	max. 5	mm/m	EN 438-2:2016
Density								kg/m ³	EN ISO 1183-1
Density tolerance								kg/m ³	EN ISO 1183-1
Bending strength								MPa	EN ISO 178
Flexural modulus								MPa	EN ISO 178
Dimensional stability at elevated temperature (length)								%	EN 438-2:2016
Dimensional stability at elevated temperature (width)								%	EN 438-2:2016
Resistance to water vapour (smooth finishes)								rating	EN 438-2:2016
Resistance to water vapour (textured finishes)								rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)								rating	EN 438-2:2016
Resistance to immersion in boiling water (textured finishes)								rating	EN 438-2:2016
Resistance to immersion in boiling water (edge)								rating	EN 438-2:2016
Resistance to immersion in boiling water								%	EN 438-2:2016
Resistance to scratching (smooth finishes)								rating	EN 438-2:2016
Resistance to scratching (textured finishes)								rating	EN 438-2:2016
Resistance to shocks (large diameter ball) – impression diameter								mm	EN 438-2:2016
Resistance to shocks (large diameter ball) - Fall height								mm	EN 438-2:2016
Stain resistance (groups 1 & 2)								rating	EN 438-2:2016
Stain resistance (group 3)								rating	EN 438-2:2016
Light fastness (xenon arc)									EN 438-2:2016
Fire behavior									
Reaction to fire (Euroclass)									EN 13501-1

Technical data

Duropal flameprotect compact

Non-combustible fire protection panel of primarily mineral constituents with uniform white-coloured core and decorative melamine resin surface on both sides according to EN 13501-1.



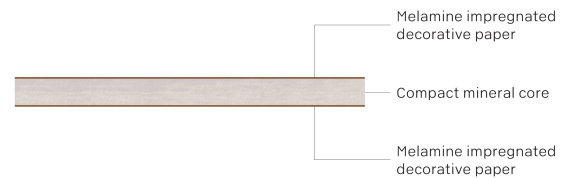
Specification								Unit	Standard
Nominal thickness	3	4	5	6	7	8	9	mm	
Formaldehyde emission class	E1								EN 717-1

- ¹⁾ Dirt, spots and similar surface defects
- ²⁾ Fibres, hairs and scratches
- ³⁾ Thickness increase
- ⁴⁾ Mass increase

Technical data

Duropal flameprotect compact

Non-combustible fire protection panel of primarily mineral constituents with uniform white-coloured core and decorative melamine resin surface on both sides according to EN 13501-1.

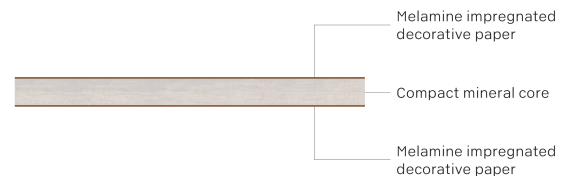


Specification							Unit	Standard
Nominal thickness	10	11	12	13	14	15	mm	
Tolerance on thickness			± 0.75				mm	EN 438-2:2016
Tolerance on length			+ 10				mm	EN 438-2:2016
Tolerance on width			+ 10				mm	EN 438-2:2016
Surface defects			max. 1 ¹⁾ max. 10 ²⁾				mm ² /m ² mm/m ²	produced acc. to EN 438-4:2016
Edge defects			max. 3				mm	produced acc. to EN 438-4:2016
Straightness of edges			max. 1.5				mm/m	EN 438-2:2016
Squareness			max. 1.5				mm/m	EN 438-2:2016
Flatness			max. 3				mm/m	EN 438-2:2016
Density			1,900				kg/m ³	EN ISO 1183-1
Density tolerance			± 50				kg/m ³	EN ISO 1183-1
Bending strength			min. 40				MPa	EN ISO 178
Flexural modulus			min. 6,000				MPa	EN ISO 178
Dimensional stability at elevated temperature (length)			max. 0.6				%	EN 438-2:2016
Dimensional stability at elevated temperature (width)			max. 0.6				%	EN 438-2:2016
Resistance to water vapour (smooth finishes)			min. 3				rating	EN 438-2:2016
Resistance to water vapour (textured finishes)			min. 3				rating	EN 438-2:2016
Resistance to immersion in boiling water (smooth finishes)			min. 3				rating	EN 438-2:2016
Resistance to immersion in boiling water (textured finishes)			min. 3				rating	EN 438-2:2016
Resistance to immersion in boiling water (edge)			min. 3				rating	EN 438-2:2016
Resistance to immersion in boiling water			max. 6 ³⁾ approx. 10 ⁴⁾				%	EN 438-2:2016
Resistance to scratching (smooth finishes)			min. 2				rating	EN 438-2:2016
Resistance to scratching (textured finishes)			min. 3				rating	EN 438-2:2016
Resistance to shocks (large diameter ball) – impression diameter			max. 10				mm	EN 438-2:2016
Resistance to shocks (large diameter ball) - Fall height			min. 1,000				mm	EN 438-2:2016
Stain resistance (groups 1 & 2)			min. 5				rating	EN 438-2:2016
Stain resistance (group 3)			min. 4				rating	EN 438-2:2016
Light fastness (xenon arc)			4 to 5 grey scale rating					EN 438-2:2016
Fire behavior			non-combustible					
Reaction to fire (Euroclass)			A2-s1,d0					EN 13501-1

Technical data

Duropal flameprotect compact

Non-combustible fire protection panel of primarily mineral constituents with uniform white-coloured core and decorative melamine resin surface on both sides according to EN 13501-1.



Specification							Unit	Standard
Nominal thickness	10	11	12	13	14	15	mm	
Formaldehyde emission class	E1							EN 717-1

- ¹⁾ Dirt, spots and similar surface defects
- ²⁾ Fibres, hairs and scratches
- ³⁾ Thickness increase
- ⁴⁾ Mass increase

Additional information

Areas of application	<ul style="list-style-type: none"> For universal use in preventive fire protection to reduce the spread of flame. Particularly useful where non-flammable materials are required and high demands are made on the design and ease of care. The area of application covers decorative interior fitting as furniture, installations and wall coverings in corridors and stairways (escape routes) in standard buildings, but also for higher demands in special buildings such as high-rise apartment blocks, large office buildings, hospitals, care facilities, schools, day nurseries, hotels, sales rooms and public areas, etc. Use in wet areas and outdoors, as well as mechanical surface stress, is not recommended.
Product safety	<ul style="list-style-type: none"> This product is following the REACH regulation EC 1907/2006 an article. Following Article 7 it needs not to be registered. The surface is physiologically safe, and approved for direct contact with food acc. to Regulation (EU) No. 10/2011. The decorative surface and the core consists of paper layers that are impregnated with thermosetting resins. The resins harden completely during the manufacturing process by heat and high pressure. They form a stable, resistant and non-reactive material.
Special	<ul style="list-style-type: none"> Wood, stone, creative and metallic decors are exclusively suitable for vertical applications or those which do not demand high stress on the surface. Due to the white core of the material, minor decorative deviations to other products cannot be avoided. For production-related reasons, there may be minor colour variations in the white material core. The coarser the structure and the lighter the decor, the greater the scratch resistance. The smoother the structure and the darker the decor, the more sensitive it gets to stains. Please comply with information for Duropal flameprotect compact collection. Depending on the decor and surface texture, slightly different surface visual impressions can result between format boards viewed from different angles. This is a result of the production methods and does not constitute a quality defect. Especially for large applications, we recommend paying attention to the colour and texture homogeneity of the boards and cut products used when further processing and installing and that the material is used taking into account the production direction.

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