



PLACO® X-RAY PROTECTION 600

Boards



Product Description

Laminated Gypsum Plasterboard with cardboard on both sides of 12.5 mm thickness and 600 mm in width, lead-free and conveniently additivated for X-ray protection. Placo® X-Ray Protection board has been tested according to the International Standard and certified by the Radiation Metrology Group of Public Health England for its behaviour equivalent to lead in accordance with IEC 6133-1:2014.

Application

This is a special board, which can be used as an alternative to lead boards in interior rooms of buildings requiring X-ray protection. Suitable for rooms with X-ray equipment in hospitals, health centres, dental clinics and veterinary clinics. The high density minerals, which constitute the core of the Placo® X-Ray Protection board, provide a good sound behaviour.

Storage and conservation

The boards will be delivered shrink-wrapped. Store the boards on flat surfaces and never outdoors, keeping them covered, away from sunlight and rain both in the construction and in the warehouse. Maximum stacking of the boards: 6 pallets.



Conditions of installation

Placo® X-Ray Protection board should not be used in areas that are subject to continuous humidity, e.g. +70% RH unless it is occasional and it should not be used to isolate humidity. Placo® X-Ray Protection is not suitable for use at temperatures above 49°C, but it can withstand conditions of extreme cold without any risk of damage. For the correct installation it will be necessary to follow the instructions in the Placo® Installation Manual, as well as the up-to-date Placo® documentation in this respect. For any query or question regarding the installation, contact Placo®'s Technical Office.

Handling

During the unloading, the aperture of the forks of the forklift should be a minimum of 1/3 of the length of the board being handled, always placing the load in the centre of the forks on the forklift. Special care is advised for handling 3,000 mm boards. Remember that you can find information about how to handle, use and unload our products on our website.

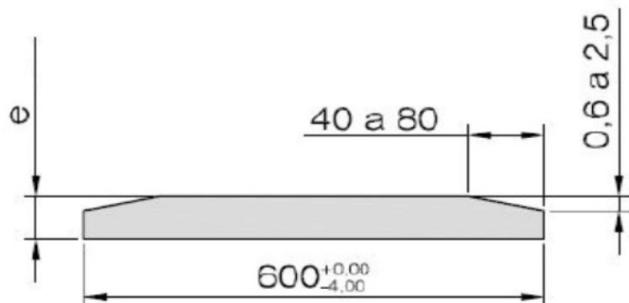


Characteristic	Value
Norms	EN 520, Gypsum plasterboards. Definitions, requirements and test methods
Board thickness	12.5 mm
Board Thickness Tolerance	± 0.5 mm
Board liner color	Ivory
Board reverse color	Grey
Core plaster color	Yellow
Long Edge Type	Tapered Edge (TE)
Short Edge Type	Square Edge (SE)
Thermal conductivity	0.25 W/m.K
Surface Hardness	Diameter of indentation ≤ 15 mm
Water vapour diffusion factor μ	10
Fire Reaction (EN Standard)	A2-s1, d0
CE board type designation	D, F, I
Approximate weight per m ²	18 kg/m ²
Flexural breaking load longitudinal	≥ 550
Flexural breaking load transversal	≥ 210 N

Length (mm)	Width (mm)	Packaging Boards/Pallet
1800 ¹	600 ²	40
2400 ¹	600 ²	40

¹ Tolerance of length (mm): +0/-5

² Tolerance of width (mm): +0/-4



Cotas expresadas en mm.

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