



ABS Maxtreme

DEFINITION

ABS Maxtreme is a plasterboard with increased surface hardness, providing quadruple performance in a single plasterboard with fire and moisture resistance, acoustic insulation and impact resistance through its high density gypsum particle formulation.

AREAS OF USAGE

It is used in the construction of partition walls, lining walls and suspended ceilings where high impact resistance is required indoors.

SPECIFICATIONS

- It saves time and labor through its quick and easy application feature.
- ABS Maxtreme provides high impact resistance and sound insulation with its high density.
- ABS Maxtreme is double as strong and resistant as standard plasterboards with its increased surface hardness.
- It enables high sound and thermal insulation performances when used with suitable insulation materials.
- It enables to increase the impact, moisture and fire resistance of structural elements.
- It is ideal for places requiring extra strength and resistant where the risk of damage is high in both public and private sector buildings such as schools, hospitals, offices, hotels, corridors.
- It is possible to make high and narrow section partition walls with ABS Maxtreme. This increases the available floor area of the building.
- All types of pipework can be passed through partition walls, lining walls and suspended ceiling spaces which made with ABS Maxtreme.
- Fire resistance * can be achieved in terms of minutes with systems created using ABS Intreme MoldStop.

** In order to obtain the desired fire resistance performance, ABS Maxtreme building material should be used with all system components. The fire resistance period is an expression used for structural systems, and the fire resistance period of ABS Maxtreme can not be mentioned singly.*



ABS Maxtreme

USAGE

- The metal framework of partition wall, lining wall or suspended ceiling are marked on the floor and/or ceiling in accordance with the architectural plan.
- The metal framework is formed in accordance with the application conditions after measurement and marking.
- Plasterboards are cut from the front surface with a utility knife using a straight edge in cases that need to be applied by cutting. The utility knife tip should cut the paper and enter the core. The plasterboards are bent contrary the cut surface, the paper connection on the back is cut by a utility knife and the pieces are separated from each other.
- The cut edges can be straightened by using a grater after the plasterboards are cut.
- Artificial chamfer should be opened at an angle of approximately 45 ° with the chamfer plane to the cut edges and non-chamfer edges of the plasterboard.
- Artificial chamfer will enable more smooth and ease joint filling plaster application.
- The plasterboards should be fixed in a way that they are not spaced from each other at the joints and the screws should be perpendicular to the gypsum plasterboard edges at a distance of at least 10 - 15 mm.
- Use ABS Gypsum Based Adhesive plaster to bond ABS Maxtreme to the existing wall.
- Use 3 layers of ABS Joint Filler for Plasterboard to jointing compound on ABS Maxtreme joints and to cover screw heads.
- ABS Satin Finishing Plaster is applied in a thickness of 1 mm (1 kg/m²) at most, and the surface is made ready for the final coating.

WARNINGS AND RECOMMENDATIONS

- It is recommended to plasterboards are carried by 2 people as the long side parallel to the ground in cases that are carried by hand.
- Attention should be paid to the forklift has sufficient carrying capacity and the forklift operator has licence and experience in cases that are carried by a forklift.
- Plasterboards should not be leant vertically.
- Plasterboards must be dry and have a smooth surface. Do not use plasterboards that become moistened and deformed due to unfavourable stock conditions.
- Do not use plasterboards whose surface temperature exceeds 50 ° C during stocking.
- Do not use ABS Maxtreme as a waterproofing material.
- It is not recommended to apply gypsum plaster on ABS Maxtreme.

TECHNICAL DATA SHEET



ABS Maxtreme

STORAGE CONDITIONS

- It should be stored in a dry and moisture-free environment, on a flat surface, not directly in contact with the floor, not exposed to direct sunlight and any outdoor weather or wetting conditions.
- The contact of the plasterboard with the ground should be prevented by placing wedges under the plasterboard in a direction parallel to the short edges, starting from 10 cm at most from the edges, at maximum 50 cm intervals.
- Maximum 5 pallets on top of each other (height max. 375 cm) and wedges between pallets should be stored at the same level.

TECHNICAL SPECIFICATION

Length*	2000 - 3600 mm
Width	1200 mm
Thickness	12,5 mm
Weight	12,5 ± 0,5 kg/m ²
Density	1000 ± 40 kg/m ³
Flexural Breaking Load (Longitudinal Direction)	≥ 725 N
Flexural Breaking Load (Transverse Direction)	≥ 300 N
Total Water Absorption** (by weight)	H2
Core Cohesion	≥ 15 minute
Surface Hardness	≤ 15 mm
Edge Type	IK (Tapered Edge) – KK (Square Edge)
Thermal Conductivity Value (λ)	0,25 W/(m·K)
Water Vapour Resistance Factor (μ)	10
Class of Reaction to Fire	A2-s1, d0
Standard	TS EN 520+A1
Board Type	Type DFH2IR

* Standard length is 2500 mm. Lengths other than 2500 mm are produced upon special order.

** Water absorption based on weight of plasterboards with reduced water absorption rate according to TS EN 520+A1 is maximum % 10 for H2 class after 2 hours.