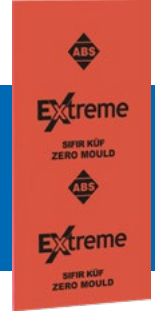


TECHNICAL DATA SHEET

Extreme



DEFINITION

ABS Extreme is sustainable and the lightest exterior cladding plasterboard in the industry through its weighing only 8 kg/ m². It is an A1 class non-combustible exterior cladding plasterboard used in exterior wall application with its water and moisture resistant special core and glass fiber mat covering both surfaces.

AREAS OF USAGE

It is used in exterior wall systems, under-eaves applications, in wet areas and areas with water risk, in ventilated exterior systems, to create a smooth surface under cladding materials such as metal, wood, decorative brick.

SPECIFICATIONS & USAGE

- It saves time and labor through its quick and easy application feature.
- ABS Extreme; can be used under all kinds of exterior cladding materials such as metal cladding, weatherboarding, wood veneer, decorative brick cladding.
- ABS Extreme can be used in all under-eaves applications.
- ABS Extreme is 100% compatible with plasterboard systems as dimension. It allows working on 40 cm and 60 cm axes.
- It enables high sound and thermal insulation performances when used with suitable insulation materials.
- Exterior systems made with ABS Extreme have superior energy performance.
- ABS Extreme protects the structural strength in sudden temperature changes and humidity. ABS Extreme, which can maintain its dimensions in variable conditions, protects the other elements when used with a system.
- ABS Extreme is resistant to various weather conditions through its water and moisture resistant special core and its glass fiber blanket covering both surfaces.
- Besides its high moisture resistance, ABS Extreme also prevents mold growth due to its anti-microbial nature.
- ABS Extreme repels water that touches the surface by pushing it away and protects its vapor permeability through its low water absorption rate. In this way, it prevents the retention of moisture and increases the life of the building while helping to create healthy living spaces.
- ABS Extreme is in the fire class of A1 non-combustible building materials according to TS EN 13501-1 with the help of its gypsum core and non-flammable glass fiber mat. It can be used in all areas where fire protection is required to be used in all areas where "Non-flammable Material" is to be used.
- It is possible to make narrow section partition walls with ABS Extreme. This increases the building usage area.
- The systems created with ABS Extreme, through their lightness, fully comply with the earthquake-proof calculations of the building. Also, like all other dry building systems, it contributes positively to earthquake resistance thanks to its ductile structure.
- It enables to increase the fire resistance of building elements.
- Fire resistance * can be achieved in terms of minutes with systems created using ABS Extreme.

**In order to obtain the desired fire resistance performance, ABS Extreme 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 Extreme can not be mentioned singly.*

TECHNICAL DATA SHEET

Extreme



WARNINGS AND RECOMMENDATIONS

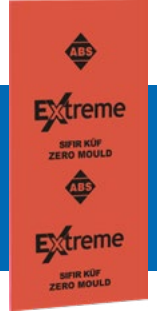
- ABS Extreme should be mounted on frames with specially produced drill bit and self-tapping corrosion resistant screws.
- The distance between screws should not be more than 20 cm during fixing ABS Extreme.
- It should be applied with alkali resistant glass fiber joint tape, joint filler and base coat containing cement based polymer fillers to ABS Extreme joints.
- The profile type and axle intervals must be determined based on the type of system to be used.
- The insulation material to be installed on ABS Extreme surface should be fastened to the frames using a coating dowel anchor.
- The joints should be applied by staggering in ABS Extreme exterior wall applications.
- 160 gr/m² weight alkali resistant plaster mesh should be applied to the ABS Extreme surface. The mesh should be close to the outer surface and embedded in the plaster.
- ABS Extreme should not be used as a waterproofing material in any system.
- The pre-filling should be done to the heads of dowels before plastering the surface.
- A PVC-based corner profile with mesh should be used to ensure that the corners are smooth.
- Ventilation measures should be taken to evacuate the water vapor in areas with intense and constant moisture.
- 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.

STORAGE 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 DATA SHEET

Extreme



TECHNICAL SPECIFICATION

Length*	2000 - 3600 mm	
Width	1200 mm	
Thickness	12,5 mm	15 mm
Weight	$8,0 \pm 0,5 \text{ kg/m}^2$	$13,0 \pm 0,5 \text{ kg/m}^2$
Density	$640 \pm 40 \text{ kg/m}^3$	$866 \pm 40 \text{ kg/m}^3$
Flexural Breaking Load (Longitudinal Direction)	$\geq 550 \text{ N}$	$\geq 645 \text{ N}$
Flexural Breaking Load (Transverse Direction)	$\geq 210 \text{ N}$	$\geq 252 \text{ N}$
Total Water Absorption (by weight)	H1 $< \% 5$	
Mold Resistance	10** (ASTM D 3273-12)	
Core Cohesion	≥ 15 minute	
Edge Type	IK (Tapered Edge) – KK (Square Edge)	
Thermal Conductivity Value (λ)	0,25 W/(m·K)	
Water Vapour Resistance Factor (μ)	16	
Class of Reaction to Fire	A1 (Non Combustable) according to TS EN 13501	
Standard	TS EN 15283+A1	
Board Type	GM-F-H1	

* Standard length is 2400 mm. Lengths other than 2400 mm are produced upon special order.

** indicates that mold does not occur.