TECHNICAL DATA SHEET

ABS Intreme Fit (R)

DEFINITION
ABS Intreme Fit (R), is the lightest indoor plasterboard in the industry through its weighing only 5.8 kg / m^2 that has structural strength and durability above standards, is stronger & more flexible with reinforced chamfer edges, can be cut smoother and easier. It is covered with ivory colored paper on the front and gray colored paper on the back.

AREAS OF USAGE
It is used on the partition walls, lining walls and suspended ceilings indoors.

SPECIFICATIONS
- It provides advantages in many areas from transportation to installation through its weight of only 5.8 kg / m^2.
- Its consistent gypsum-mixture formula structure that provides improved sag resistance and improved power-to-weight ratio; ideal for partition walls, lining walls and suspended ceilings applications.
- It prevents damages that may occur during transportation and installation through its resistance against sagging.
- It provides a safe working environment by providing less dust through its improved gypsum-mixture formula.
- It is as resistant as much heavier plasterboards with its reinforced chamfer edges.
- It can be easily applied in any design through its flexibility.
- It saves time and labor through its quick and easy application feature.
- Can be cut smoother and easier.
- Same fracture and sagging resistance although it is lighter.
- It can be easily applied in any architectural detail through its flexibility and lightness.
- It enables high sound and thermal insulation performances when used with suitable insulation materials.
- It enables to increase the fire resistance of building elements.
- It is possible to make narrow section partition walls with ABS Intreme Fit (R). 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 Intreme Fit (R).

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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 Intreme Fit (R) to the existing wall.
- Use 3 layers of ABS Joint Filler for Plasterboard to jointing compound on ABS Intreme Fit (R) joints and to cover screw heads.
- ABS Satin Finishing Plaster is applied in a thickness of 1 mm (1 kg/m^2) 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 ABS Intreme Fit (R) in moist and wet areas.
- Do not use plasterboards whose surface temperature exceeds 50 ° C during stocking.
- Plasterboards should be made by taking necessary precautions that they will not be affected by moisture and water if wet productions are made such as screed, scratch coat etc.
- It is not recommended to apply gypsum plaster on ABS Intreme Fit (R).

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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	900-1250 mm
Thickness	12,5 mm
Weight	5,8 ± 0,2 kg/m^2
Density	464 ± 16 kg/m^3
Flexural Breaking Load (Longitudinal Direction)	≥ 550 N
Flexural Breaking Load (Transverse Direction)	≥ 210 N
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 A

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