Technical Data Sheet/Publication Date: 01.01.2013/Revision Number: 01/Revision Date:20.11.2017

ARSLANLI ARPLAK FIRE RESISTANT

DEFINITION

-Arslanlı Arplak is a fire-resistant indoor plasterboard with structural strength and durability above standards, more durable with its strong chamfered edges, adaptable to movement.

APPLICATION AREA

- It is used in partition wall, curtain wall, shaft wall and suspended ceiling applications where fire resistance is required in interior spaces.

WARNINGS AND RECOMMENDATIONS

-When carrying plasterboards by hand, it is recommended that 2 people carry them so that the long edge is parallel to the ground.
-If it will be transported by forklift, care must be taken that the forklift used has sufficient carrying capacity and that the forklift operator is qualified and experienced.
-Plasterboards should never lean vertically.
-The plates to be applied must be dry and have a smooth surface. Plasterboards that become damp and deformed due to adverse stock conditions should not be used in the stock area.
-It is not suitable to use Arslanlı Arplak fire resistant plate in humid and wet areas.
-It is not appropriate to apply plasterboards whose surface temperature exceeds 50 °C during storage.
-After plasterboard installation, screed, plaster, etc. If wet manufacturing is to be done, necessary precautions should be taken so that plasterboards are not affected by moisture and water.
-It is not recommended to apply rough plaster on Arslanlı Arplak fire resistant plate.

APPLICATION

- The metal framework of the partition wall, curtain wall or suspended ceiling to be created in accordance with the plan is marked on the floor or ceiling.
-After measurement and marking, the metal skeleton is created in accordance with the application conditions.
-Plaster plates; In cases where it needs to be cut, it is cut from the front surface with a utility knife using a jig. The tip of the utility knife should cut through the paper and enter the core. Plasterboards are bent against the cut surface, the paper connection on the back side is cut with a utility knife and the pieces are separated from each other.
-After the plasterboards are cut, the cut edges can be smoothed using a grater.
-Artificial chamfers should be made on the cut edges and the non-chamfered edges of the plates with suitable tools at an angle of approximately 45°.
-Artificial chamfer opening will allow more smooth and comfortable joint filling plaster application.
-Plasterboards should be fixed at their joints in such a way that there is no gap between them and the screws should be perpendicular to the edges of the plasterboard at a distance of at least 10 - 15 mm.
-In adhesive curtain wall applications, plaster plates are adhered to the existing building wall using Arslanlı Gypsum Plate Adhesive Plaster.
-After fixing, Arslanlı Gypsum Plate Joint Filler Plaster is applied in 3 layers to the joints where screw heads and joint tape have been applied.
-Arslanlı Satin Polishing Plaster is applied in a maximum thickness of 1 mm (1 kg/m^2) to make the surface ready for the final coat.

REFERENCE STANDARD

-TS EN 520+A1

STORAGE

-It should be stored in a dry and moisture-free environment, on a flat surface, not in direct contact with the ground, and not exposed to direct sunlight and any external weather or wetting conditions.

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-The contact of the plates with the ground should be broken by placing wedges under the plates, parallel to their short edges, starting from a maximum of 10 cm from the edges and at a maximum interval of 50 cm.

-A maximum of 6 pallets should be stored on top of each other (height max. 450 cm) and the wedges between the pallets should be aligned.

TECHNICIAL SPECIFICATIONS

Nominal Thickness	9.5mm	12.5mm	15mm	18mm
Average Weight (kg/m ^{2})	≤ 8.50	≤ 10.00	≤ 12.50	≤ 15.00
Bending Breaking Load Short Side (N)	≥ 160	≥ 210	≥ 250	≥ 303
Bending Breaking Load Long Side (N)	≥ 400	≥ 550	≥ 650	≥ 774
Edge Type	Blunt Edge,Thinned Edge			
Thermal Conductivity (W/mK)	0.25			
Core Cohesion (min)	≥ 15			
Coefficient of Resistance to Water Vapor Transmission (μ)	10			
Fire Reaction Class	A2-s1-d0			

	Code	**Width mm**	**Length mm**
9.5mm	8921	1200	2000
		1250	2000
12.5mm	8922	1200	2000
		1250	2000
15mm	8923	1200	2000
		1250	2000
18mm	8924	1200	2000
		1250	2000