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Product Data and Submittal Sheet

DESCRIPTION

- **White COREX** is a plasterboard that is used in the construction of partition walls, dry- linings and suspended ceilings.
- The core of **White COREX** is made from specially calcined high-purity natural gypsum that gives lightness, hardness, high strength and workability to plasterboard.
- Both faces of **White COREX** are covered with special paper that gives flexibility and high strength to the plasterboard.
- Installation of **White COREX** is quick and easy, so it saves labour and time, and greatly reduces construction costs.
- Walls and suspended ceilings made of **White COREX** are light and flexible,

USAGE

White COREX can be used for:

- Non-load-bearing partition walls, by screwing it to both faces of a metal frame.
- Dry- lining, by screwing it to one face of a metal frame or by bonding it to the existing wall.
- Suspended ceilings, by screwing it to the metal frame that has been fastened to the existing floor with a hanger system.

PROPERTIES

- It is light and flexible, and can be carried horizontally and vertically without problem.
- Because of its high flexural strength, its breakage rate during loading and unloading is low compared to equivalent boards.
- Cutting and installing **COREX** is easy. As this increases productivity, installations are completed more quickly.
- It is suitable for all kinds of finishes. It can be undercoated and painted. **SATENTEK** and wallpaper can be applied to it.
- Buildings that are designed with **COREX** plasterboard systems have structural elements with narrow cross-sections, leading to economies right from the start.
- **COREX** can easily be mounted and dismantled, so it is possible to make changes in layouts.
- All types of pipework and wiring can be placed between or behind the **COREX** application, so installing services is easy.

PERFORMANCE

- Because of its low weight, suspended ceiling applications made with **COREX** bend less than those made with equivalent boards.
- As it is possible to construct narrow cross-sectional partition walls using **COREX**, the available floor area of the building is increased.
- When used with insulation materials, **COREX** causes an effective increase in acoustical and thermal insulation.
- It increases the fire resistance of structural elements such as reinforced concrete, steel and wood.
- As it is a breathable material, it leads to a healthier environment by stabilizing humidity.

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RECOMMENDATIONS

- Use **ADERTEK** bonding plaster to bond **COREX** to the existing wall.
- Use **DERZTEK** jointing compound on **COREX** joints.

LIMITATIONS

- **White COREX** plasterboard is for internal applications only.
- **White COREX** plasterboard is nonstructural product and should never be used as a nailing base or to support heavy wall mounted objects. It is not for load-bearing design.
- **White COREX** plasterboard is unsuitable for use in areas subject to continuously damp or humid conditions. The designers should take care to eliminate all possibility of problems caused by humidity and condensation.
- **White COREX** plasterboard must not be installed where the temperature may exceed 52^{0}C, for an excessive amount of time and must be installed while the ambient temperature at the time of installation is between 4^{0}C and 35^{0}C.

STORAGE and HANDLING

- Boards should be stacked flat. Gypsum board must be stored in dry areas
- Handle with care to prevent sagging and/or damaging the surfaces, edges and ends.
- Gypsum board must be stored under protective cover and off the ground.
- Sufficient risers must be used to assure support for the entire length of the gypsum board to prevent sagging.

STANDARD

Standard	TS EN 520 +A1	(Plasterboards-Descriptions-Requirements and Experiment Methods)
Type	Plasterboard (A)	

TECHNICAL SPECIFICATION

	General Type	All Types				
Length*	2500 mm	2000 mm - 3600 mm				
Width	1200 mm	1200 mm				
Thickness	12,5 mm	6,5 mm	9,5 mm	12,5 mm	15 mm	18 mm
Average weight	~7,30 kg/m^2	~6 kg/m^2	~6,10 kg/m^2	~7,30 kg/m^2	~9,6kg/m^2	~15 kg/m^2
Flexural strength (Perp. to paper fibres)	≥550N	≥280 N	≥400 N	≥550 N	≥650N	≥770 N
Flexural Strength (Parallel to paper fibres)	≥210 N	≥110 N	≥160 N	≥210 N	≥250N	≥300 N
Edge type	IK	IK (Tapered Edge) – KK (Square Edge)				
Thermal conductivity (λ)	0,25 W/mK					
Water vapour permeability resistance factor	10					
Reaction to fire	A2 - s1, d0 (Acc. to TS EN 520 +A1)					

PACKAGING

	General Type	All Types				
Thickness	12,5 mm	6,5 mm	9,5 mm	12,5 mm	15 mm	18 mm
Number of boards in one pallet	50 pcs/ pallet	60 pcs/ pallet	60 pcs/ pallet	50 pcs/ pallet	40 pcs/ pallet	30 pcs/ pallet

* Lengths other than 2500 mm are produced to special order.

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