



falcon CoreX

Green

Product Data and Submittal Sheet

DESCRIPTION

- **Falcon COREX Green** is 17% lighter than standard **COREX Green**. With **Falcon COREX Green**, the weight of the suspended ceiling can be reduced by 17% and in the double layer partition wall by up to 5.4 kg per square meter.
- The **Falcon COREX Green**, which weighs 6.66 kg/m² is manufactured with advanced **COREX** technology.
- For water and moisture resistance, the core of **Falcon COREX Green** is strengthened with water repellent agents.
- **Falcon COREX Green**, is a plasterboard that is used in the construction of partition walls, drywall linings and suspended ceilings where water and moisture resistance are required.
- Both faces of **Falcon COREX Green** are covered with special paper that gives flexibility and high strength to the plasterboard.
- **Falcon COREX Green** can be covered with tile, ceramic tile and similar materials.
- **Falcon COREX Green** is plasterboard that can be subjected to water and moisture for extended periods and is suitable for bathrooms, toilets, kitchens, dining areas and loft spaces.

PROPERTIES

- **Falcon COREX Green** 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.

USAGE

- **Falcon COREX Green** is light and flexible. It can be transported horizontally and vertically without problem.
- Because of its high flexural strength, its breakage rate during loading and unloading is lower than that of equivalent boards.
- Cutting and installing **Falcon COREX Green** is easy, so it increases productivity and installations can be completed more rapidly.
- **Falcon COREX Green** is suitable for all kinds of finishes. It can be undercoated and painted. SATEN TEK and wallpaper can be applied to it.
- **Falcon COREX Green** can easily be mounted and dismantled, so it is easy to make changes to layouts.
- All kinds of piping and wiring can be placed between or behind **Falcon COREX Green** applications, making installation work easier.

PERFORMANCE

- Because of its low weight, **Green COREX** bends less than equivalent boards in suspended ceiling applications.
- As it is possible to construct narrow cross-sectional partition walls using **Falcon COREX Green**, the usable area of the building is increased.
- When used with insulation materials, **Falcon COREX Green** creates an effective increase in acoustic and thermal insulation.
- As it is a breathable material, by stabilizing humidity **Falcon COREX Green** leads to a healthier environment.

RECOMMENDATIONS

- Do not allow **Falcon COREX Green** to remain in direct contact with water for long periods.
- Use **ADERTEK** bonding plaster to bond green COREX to existing walls.
- Use **DERZTEK** jointing compound on **Falcon COREX Green** joints.



LIMITATIONS

- **Falcon COREX Green** plasterboard is for internal applications only.
- **Falcon COREX Green** 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.
- **Falcon COREX Green** plasterboard must not be installed where the temperature may exceed 52°C, for an excessive amount of time and must be installed while the ambient temperature at the time of installation is between 4°C and 35°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

TS EN 520 +A1

Plasterboards-Descriptions-Requirements
and Experiment Methods

TECHNICAL SPECIFICATIONS

Length	2000 mm-3600 mm
Width	1200 mm
Thickness	12,5 mm
Average weight	-6,66 kg/m ²
Flexural strength (Perp. to paper fibres)	≥ 550N
Flexural Strength (Parallel to paper fibres)	≥210 N
Edge type	İK (Tapered Edge)
Water absorption (by weight)*	≤ % 10
Thermal conductivity (λ)	0,25 W/mK
Water vapour permeability resistance factor	10
Reaction to fire	A2 - s1, d0 (TS EN 520 +A1'e göre)

*Water absorption based on weight of plasterboards with reduced water absorption rate according to TS EN 520 +A1 is maximum 5% for H1 class and maximum 10% for H2 class after 2 hours.

PACKAGING

Thickness	12,5 mm
Number of boards in one pallet	60 pcs/pallet