

Improved Core Adhesion at High Temperature

# corex



## U Value Insulation

Delivering Better Solutions



- **Red COREX** is a plasterboard that is used for construction of partition walls, drywall linings and suspended ceilings where resistance to water and moisture required.
- To increase fire resistance, the core of **Red COREX** is enhanced by special fibres and additives.
- Both faces of **Red COREX** are covered with special paper that gives flexibility and high strength to the plasterboard.
- **Red COREX** can be used in public buildings such as schools, hospitals, hotels, and commercial and business centres to improve fire safety.



Greenguard certification is a certificate that shows the effects of our products on indoor air quality

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## USAGE

- Red 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

- **Red COREX** is light and flexible, and can easily be carried horizontally and vertically.
- Because of its high flexural strength, 'it has a lower breakage rate during loading and unloading than equivalent boards
- Because cutting and installing **Red COREX** plasterboard is easy, productivity increases and installations are completed more rapidly.
- It is suitable for all kinds of finishing. It can be undercoated and painted. **SATENTEK** and wallpaper can be applied to it.
- **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 **COREX** applications, making installation work easy.

## PERFORMANCE

- 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 acoustic and thermal insulation.
- It significantly increases the fire resistance of structural elements such as reinforced concrete, steel and wood.
- **Red COREX** installations have higher fire resistance in terms of minutes compared to other plasterboard and conventional building material installations

**! Fire resistance in terms of minutes is specific to structural elements (structural systems); as it is a construction material, plasterboard does not have fire resistance on its own.**

## RECOMMENDATIONS

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



## Technical Specification

	General Type	All Types
Length*	2400 mm	2000 mm 3600 mm
Width	1200 mm	1200 mm
Thickness	12.5 mm	12.5 mm 15 mm 18 mm
Average weight	~11 kg/m <sup>2</sup>	~11 kg/m <sup>2</sup> ~14 kg/m <sup>2</sup> ~17 kg/m <sup>2</sup>
Flexural strength (Parallel to paper fibres)	≥ 550 N	≥550 N ≥650 N ≥770 N
Flexural Strength (Parallel to paper fibres)	≥ 210 N	≥210 N ≥250 N ≥300 N
Edge type	IK	IK (Tapered Edge) – KK (Square Edge)
Thermal conductivity(λ)	0.25 W/m.K	0.25 W/m.K
Water vapour permeability resistance factor		10
Fire class	A2 - s1, d0	A2 - s1, d0 (Acc. to TS EN 520 +A1)

## Standart

Standard	<b>TS EN 520+A1</b>	(Plasterboards-Descriptions-Requirements and Experiment Methods)
Type	Plasterboard with Improved Core Adhesion at High Temperature Fire Resistance (F)	

## Packaging

	General Type	All Types
Thickness	12,5 mm	12,5 mm 15 mm 18 mm
Number of boards in one pallet	<b>72 pcs/pallet</b>	72 pcs/pallet 40 pcs/pallet 30 pcs/pallet

\*Lengths other than 2400 mm are produced to special order.

## U Value Insulations -

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