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GYPSUM BOARD

# Knauf Core-GB-WRTX

Shaftliner Board

Product-Data-Sheet

06/2024



## A skin for the Wall

The secret of a balanced room climate lies primarily in balanced humidity levels. Once again nature has presented us with a highly effective moisture management system in gypsum.

The gypsum can absorb a lot of humidity through its open and crystalline pores and then automatically releases this moisture when a room becomes too dry. This works as often as necessary, and without consuming energy.

## Certificates



***Build on us.***

# ASTM GYPSUM BOARDS

## Product Description

Knauf Coreboard (GB-WRTX) is a Fire and Moisture Resistant Shaftliner Board developed to be specifically used in conjunction with Knauf Shaftwall System where access from one side is restricted, giving a high fire performance whilst being a simple construct.

Knauf Coreboard (GB-WRTX) is made from an aerated gypsum core with water-repellent and glass fiber additives, and has premium paper liners on each side of the board.

## Areas of Application

Knauf Coreboard (GB-WRTX) is used as liner board facing the shaft of Knauf's fire rated shaftwall systems.

## Compliance Standard

ASTM C1396-17: Standard Specification for Gypsum Board

- Type X gypsum board.
- Section 7: Water-resistant gypsum backing board



ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials

- Class A

## Key Benefits

- Strong and versatile
- Enhanced fire-resistance performance
- Fully recyclable
- Quick and easy to install
- Practical solution for creating simple and easy shaftwall system.
- Hydrophobic boards impregnated against absorption of moisture

## Appearance

Color	Gree <i>Smooth paper liner</i>
Type	 <i>Square Edge (SE)</i>
Type	 <i>Tapered Edge (TE)</i>

## Performance Table

Thickness (mm)	Surface burning chareacteristics (ASTM E84)		Thermal Conductivity (W/mk)	Board Density (Kg/m³)
	FSI*	SDI*		
25.4	10	40	0.25	803

\*FSI: Flame Spread Index  
\*SDI: Smoke Developed Index

## Technical Information

Dimensions, Weights, and Physical Properties							
Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/m <sup>2</sup> )	Nail Pull Resistance Method B (N)	Water Resistance (ASTM C473:2010)	Flexural Strength Method B Parallel (N)	Flexural Strength (Method B) Perpendicular (N)
25.4	610	2200	20.4	NA	<5%	>343	>1014

## Sustainability

**Recyclability** -The product can be recycled, make sure it has no or minimal contamination from non-gypsum based materials as this will affect its recyclability.

**Substances of very high Concern (SVHC)** This product do not contain any substance of high concern

**Volatile Organic Compound Content (VOC)** This product contains < 0.05 mg/kg VOC content.

**Asbestos Content:** This product does not contain any asbestos content.

## Storage and Handling

Product must be stored flat and on a surface strong enough to support them. Keep boards dry at all times.

Refer to the HSE Manual Handling Operations Regulation for best practice guidance.

## Packaging

Product is stacked on non-recycled chipboard bearers and is not recyclable but it can be returned to Knauf.

## Shelf Life/Service Life

Service life of this product is 60 years and/or the lifetime of the building.

## Disposal

Disposal should be in accordance with local authority requirements. Keep gypsum based products in their own recycling area to minimise contamination from non-gypsum based products.

## Health &amp; Safety

Please refer to our Safety Data Sheet for guidance on personal protection equipment required for the handling and installation of this product.

## Application /Installation

Typically installed as a part of a partition system, wall lining and ceiling system with Knauf fixings, jointing, taping and finishing products.

Use Knauf plasterboard screws at a distance of 300mm on horizontal joints and 10mm from bound edge and 13mm from cut edges in from the edge of the board. Knauf Readygips with Knauf Joint Tape can be used to finish the joints.

Should an alternative Gypsum or surface finish be required, seek guidance from the supplier on application. The type and number of layers of board used will influence the structural, fire, acoustic and thermal performance of the system. All products must be installed in accordance with Knauf's recommendations.

## Additional Documentation

Material Safety Datasheet

EPD / HPD

## Customer Service

UAE Tel: +971 4 33771700  
8:00 - 17:30 (UAE Time)  
Email: GCCcustomer.care@knauf.com  
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## HQ Address

Knauf LLC  
Units B9 & B10 - LIU 6  
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Dubai, UAE

## Plant Address

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Tel: +971 7 268 9837  
Fax: +971 7 221 5301

## Plant Address

Plot no - RY-PH02-M3-008  
Raysut - WGS-84-Zone 39  
Salalah Free Zone  
Salalah, Dhofar, Oman



Observe safety data sheet!  
For safety data sheets and CE labelling see  
[www.Knauf.com](http://www.Knauf.com)



Tender texts for all Knauf systems and products with export functions for Word and PDF.



Videos for Knauf systems and products can be found under the following link:  
[youtube.com/knauf](https://youtube.com/knauf)



All information and documents from Knauf GCC are now always up-to-date,

## Knauf GCC

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Subject to technical changes. The current edition applies. The information contained herein corresponds to our current state of the art. The generally recognised rules of construction technology, relevant standards, guidelines and trade regulations must be observed by the contractor in addition to the processing instructions. Our warranty relates only to the flawless quality of our material. Consumption, quantity and execution data are empirical values that cannot be transferred without further ado in the event of deviating conditions. All rights reserved. Changes, reprinting and photomechanical and electronic reproduction, even in extracts, require our express authorisation.

The structural, static and physical properties of Knauf systems can only be guaranteed if only Knauf system components or products recommended by Knauf are used.