

## Product Description

OBEX CORTEX 0271FR UltraBoard is a next generation score and snap cement-based board with an integral breather membrane. The 0271FR board provides exceptional durability whilst being lightweight and is cut using the score and snap method.

The integral breather membrane removes the requirement to apply an extra breather membrane over the sheathing layer on site. OBEX CORTEX Interface Sealing Membranes are fully tested and approved to seal glazing elements and slab/column junctions to UltraBoard.

## Product Specifications

Widths	1200mm
Lengths	2400mm or Bespoke available up to 3000mm
Thickness	12.7mm
Density	1000kg/m <sup>3</sup> ±10%
Colour	Black on front, grey on reverse
Weight per Board	36.8kg

## Product Applications

- » External sheathing onto steel and timber frame.
- » Modular construction solutions
- » Reclad – replacing existing sheathing boards
- » Consult the OBEX Technical Team for other applications

## Key Features

- » Highly durable
- » 12 months UV exposure
- » Score and Snap technology
- » KIWA approved
- » Removes the need to install a breather membrane
- » ISM's seal over the top
- » Joint sealant not required between boards

## Technical Data

Harmonised Standard	EN 12467	
Fire Classification	EN 13501-1	A2-s1,d0
Fire Resistance	EN 1364-1	EI90+
Water Impermeability	EN 12467	Pass
Water Vapour Diffusion (Sd)	EN ISO 12752	0.521m
Water Absorption	EN 12467	11%
Hygrothermal Conditioning	EN 12467	No defects
Modulus of Rupture	EN 12467	5.03 MPa
Thermal Conductivity	EN 12664, ISO 8302	0.223 W/mk
Pull Through Resistance	EN 1383	1108 N

## Technical Data (Continued)

Compressive Strength	EN 789	2.32 N/mm <sup>2</sup> 2.28 N/mm <sup>2</sup>
Compressive Modulus of Elasticity	EN 789	1,900 N/mm <sup>2</sup> 2,233 N/mm <sup>2</sup>
Water-Tightness	EN 1928 (EN 13859-2)	W1

## Packaging & Storage

- » Packaging: 36 sheets per pallet (2400mm x 1200mm x 12.7mm)
- » Pallets can weigh up to 1500kg.
- » Conditions – store in a dry location, out of direct sunlight and protected from prolonged exposure to moisture. It's advisable to allow boards to acclimatise to ambient moisture humidity conditions prior to installation.
- » Shelf life – 24 months
- » Temperatures – max 50°C

## Associated Products

- » OBEX CORTEX 0290FR Self-Drilling Screws
- » OBEX CORTEX 0280FR Board Sealant
- » OBEX CORTEX 0272FR UltraBoard Jointing Tape
- » OBEX CORTEX 0273FR UltraBoard Sealing Patches

## Important Notes

- » It is the responsibility of the designer/user to assess the suitability of this product for their application.
- » OBEX CORTEX ISM's are the only tested and approved ISM's for use with the OBEX CORTEX UltraBoard System.

## Related Documents

- » Installation Guide
- » Safety Data Sheet
- » DoP
- » 3rd Party Agreement

## Installation Temperatures

- » Install the board at any temperatures.
- » The 0272FR Jointing Tape, 0273FR Sealing Patches, 0280FR Board Sealant must be stored and installed at the recommended temperatures.