

# Ceresit

## CT 310

Product Information (01/2007)

### PHENOLIC INSULATION BOARD

Insulating board for use within the Ceresit ETICS system

- Outstanding thermal insulation properties
- Low risk fire rating
- CFC / HCFC-free with zero Ozone Depletion Potential (ODP)
- Resistant to water vapour transmission
- Easy to handle and install

#### Description

Phenolic based insulation board designed to be an integral part of the Ceresit ETICS system.

#### Properties

A premium performance phenolic insulation product which exhibits outstanding thermal performance benefits and ease of installation by Specialist Installation companies as well as minimising the impact to the environment.

#### Substrates

Ceresit CT 310 is designed to be applied on to clean sound and prepared substrates that have been primed using Ceresit CT 190 adhesive and bonding mortar.

The surface of existing renders, mortars and paint coatings should be checked for soundness. "Hollow" renders / mortars shall be removed. Uneven surfaces should be first filled / smoothed with Ceresit CT 29. Any contaminates such as dirt, old adhesive and paint should be completely removed. It is recommended to use a pressure washer with Ceresit CT 99 anti fungus wash and allow to completely dry before proceeding. Areas that have flat surfaces that would allow for moss and algae to grow should be cleaned by use of steel brushes and then saturated with a solution of Ceresit CT 99. Adequately strong vapour permeable renders, mortars and paint coatings should be cleaned and abraded.

Highly absorbent building fabrics, e.g. walls with aerated concrete blocks or silicate blocks, should be primed with Ceresit CT 17 and left to dry for at least four hours prior to application of the Ceresit system.

#### Application

The Ceresit CT 310 shall be primed prior to application of adhesive mortar with a scratch coat of Ceresit CT 190.

Ceresit CT 190 must be mixed in a clean container with clean water (6.5 to 7.0lt to 25 kg bag of powder). Mix with a drill and suitable attachment to a lump-free consistency. Apply the product to the perimeter of the board, 3-4cm in from the edge in a band and to the centre of the boards, approx 8cm (ribbon & dab) using a suitable finishing trowel. **For flat level surfaces the adhesive can be applied to the board by notched trowel (ie. 12 x 12). NB Remove protective polythene sheet before use.**

Immediately apply boards to the prepared and primed substrate, brick bond, firmly position boards with tight joints, tap or pat into the wet adhesive using a straight edge or float. Allow to dry for approximately 3 days before fixing with mechanical anchors.

Avoid drafts and direct sunlight. Warm ambient conditions, warm powder and/or mixing water will reduce the working and setting times; conversely, in cold conditions working and setting times will be extended.

## Technical Information

Product	Rigid phenolic insulating board
Colour	Cream / off-white coloured foam
Density	Typically 50 kg / m <sup>2</sup>
Fire performance	Class 1 rating – BS476, Part 7
Compressive strength	Typically at least 150kPa at 10% compression when tested in accordance with BS EN 826: 1996
Water Vapour Resistance	Comfortably exceeds 15MN.s/g when tested in accordance with BS EN 4370-2: 1993 (Methods of testing for rigid cellular materials; Methods 7 to 9)
Thermal conductivity ( $\lambda$ -value)	0.023 W/m k (insulation thickness 25 – 45mm) 0.021 W/m k (insulation thickness $\geq$ 45mm)
Temperature for application	+5 to 25°C. (Prevent boards from becoming wet)
Adhesive tension strength	N/A
Storage	12 months under normal conditions
Packaging / Dimensions	L = 1200mm, W = 600m, D = 25 – 100mm

\* The above information applies at normal ambient conditions, e.g. 20 °C and 60% Relative Humidity.

## Architectural Specification Clause

The insulating board to be used shall be Henkel Building Systems – Ceresit CT 310. It shall be used and applied strictly in accordance with the manufacturer's instructions.

## Health & Safety

Where appropriate, wear suitable Personal Protective Equipment (PPE) e.g. gloves, eye protection. For further advice, please read the relevant Ceresit Safety Data Sheets, available upon request.

## Disposal

Waste insulation is non-hazardous in nature and should be disposed of in a suitably designated location in accordance with the requirements of the Environment Agency, Local Authorities and Environmental Protection Act 1991. Phenolic dust products are considered to be nuisance dust only, due to its inert nature. Avoid accumulation of waste insulation which could become dispersed by wind.

Ensure all polythene packaging / wrapping products are kept well away from children. Observe all relevant safety precautions associated with polythene bags.

The information contained herein is general and not intended to be specific to any substrate, project or product system. The information is based on our experience to-date and the results of continuous and careful testing. Varying conditions and methods of use will influence the practical application of this product. The products optimum performance is also dependent upon the professional judgment of the user, conformity to proper trade practice, relevant standards and codes of practice for installation, which are factors outside our control. The issue of this Ceresit Product Information Sheet supersedes all previous information relevant to this product.

Henkel Building Systems  
Henkel Loctite Adhesives Limited  
Winsford, Cheshire, CW7 3QY



ISO Registration  
Henkel Loctite Adhesives Ltd is part of Henkel KGaA who are certified by DQS (Certificate Registration number: 003052 QM/UM) as a company operating a Quality Management System to BS EN ISO 9001:2000, and BS EN 14001.

Tel: 01606 594600 Fax: 01606 863762 E-Mail: [technical.services@henkel.co.uk](mailto:technical.services@henkel.co.uk)