

Ceresit

CT 85

Product Information (02/2007)

Adhesive & Mortar

Adhesive mortar for fixing of EPS boards and Ceresit CT 325 webbing

- High adhesion
- Vapour permeable
- Weather resistant
- Flexible

Test Data
AT- 15-4397/2005

Description

Adhesive mortar for fixing of expanded polystyrene (EPS) insulation boards to new or existing masonry and concrete substrates. For the creation of protection layers reinforced with Ceresit CT 325 glass fibre webbing applied on EPS insulation layers. Also for use with cement particle boards.

Properties

Specialist cement adhesive & mortar specifically developed for use with Ceresit ETICS system.

Substrates

Ceresit CT 85 adhesive & mortar shows good adhesion to dry, sound and stable substrates such as cement renders, masonry and concrete. The surface of existing building fabrics should be checked for soundness. All areas considered unsound or loose in nature should be removed. Uneven surfaces should be pre-smoothed before proceeding. Any surface contaminant such as grease, dirt, dust, oil and algae growth should be removed using a pressure washer and allowed to completely dry. Moss and algae growth should be removed by use of steel brushes and the entire surface should be saturated with a solution of Ceresit CT 99. This application should be allowed to fully dry and should not be washed off. Existing sound vapour permeable coatings should be thoroughly cleaned and abraded and all dust & debris should be completely removed. Porous surfaces such as aerated concrete blocks should be primed with Ceresit CT 17 and left to dry for at least four hours prior to application of the Ceresit system. EPS boards should be smoothed after fixing using an appropriate tool. Remove all loose particles before application of any subsequent product.

Application

Fixing of Expanded polystyrene boards

Mix Ceresit CT 85 with clean water in a clean container using 6.5 to 7.0lt to 25 kg bag of powder. Mix with a drill and suitable attachment to produce a lump-free consistency. Apply a 3-4 cm wide band of product around the perimeter of the board and an 8cm diameter spot in the centre of the board using a suitable finishing trowel. **For flat level surfaces the adhesive can be applied with a trowel with either a 10 x 10 or 12 x 12mm notch.**

Immediately apply boards to the prepared substrate. Firmly press in the boards into the wet adhesive using a straight edge or float using a brick-like pattern. Ensure all board are tightly butt-jointed. Allow to dry approx 3 days before fixing with mechanical anchors. Avoid application in direct sunlight or windy conditions. Working and setting times will vary according to ambient conditions. Cold conditions will extend both working and setting times.

Application of reinforcement webbing

Before application of Ceresit CT 325 webbing to the general façade, design features, such as window reveals, door openings and gaps between façade carrier boards should be reinforced using Ceresit CT 325 cut into appropriately sized sections. The mixed mortar should be applied to the surface of the board to an average thickness of 2 to 3mm, apply the mesh to the wet adhesive ensuring a minimum of 10cm overlap of joints. Firmly press webbing into the wet mortar using a steel trowel. The webbing should be fully covered and embedded into the top third of the mortar layer.

Technical Information

Product:	Adhesive/mortar - grey powder blend of cement & minerals
Mixing ratio:	6.5 to 7.0lt of clean water per 25kg of powder blend
Bulk density:	Approx. 1.3 g / cm ³
Pot Life:	Up to 2 hours
Adhesion to:	
Concrete	>0.6 MPa
EPS	>0.1MPa (damaged within EPS layer)
Coverage:	
Board:	5kg / m ²
CT 325 fixing:	4kg / m ²
Temperature for application:	+5 to 25 °C.
Adhesive tension strength:	<u>N/A</u>
Storage:	12 months under normal conditions from data of production
Packaging:	25kg paper sacks

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

Architectural Specification Clause

The material to be used shall be Henkel Building Systems – Ceresit CT 85. 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

Do not pour directly into drains. Retain the product for later use, or if beyond shelf life, dispose of the product in accordance with local regulations. Dispose of the empty packaging in accordance with local regulations, or where appropriate recycle.

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.

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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.

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