

CLAD-FIX

Date: 25 January 2021

Fact Sheet No.: ####

YOUR SMART ADVANTAGES

- **Lightweight high strength exterior cladding adhesive**
- **For fixing natural & manufactured stone cladding and brick slips**
- **A Thick-bed Fibre reinforced adhesive with excellent non-slip.**

USES

BOSTIK CLAD-FIX is a Grey standard setting cement-based, thin or thick bed heavy duty adhesive, intended for fixing internal & external adhered masonry cladding panels; natural pre-cut stonework and thin brick-slips onto concrete blockwork, brickwork and similar structurally sound, strong & durable masonry surfaces.

BOSTIK CLAD-FIX is a lightweight, polymer & fibre reinforced adhesive which demonstrates high-grab and excellent non-sag performance on vertical installations, including where a "hi-build" deeper adhesive bed (no more than 18mm) is necessary to ensure complete 100% contact is achieved between substrate & cladding.

BOSTIK CLAD-FIX conforms to the performance requirements of EN 12004 C2TE-S1 and is specified for use in internal & external locations, fixing heavy duty stone cladding to vertical & horizontal elevations on suitably secure masonry surfaces.

PRODUCT CHARACTERISTICS

Colour	Grey
Form	Powder
Specific Gravity	1.0 dry & 1.4 when mixed as directed
Composition	Portland cement blend
Product Code	TBA
Storage/Shelf Life	Store for up to 12 months from date of manufacture in original, unopened packaging under cool, dry, conditions within the temperature range of +5°C to +30°C and out of direct sunlight. Protect from frost.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+10°C to +30°C
Service Temperature	-15°C to +70°C
Coverage	2.2 to 2.7kg per sq. mtr, depending on the regularity of both the substrate and the rear contact face of the cladding
Drying Times	Pot-life is 4 hours & initial set is 24 hours
Solvent for Cleaning Up	Water

DIRECTIONS FOR USE

IMPORTANT: Before using BOSTIK CLAD-FIX refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

PREPARATION

1. The receiving substrates must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. They must also be structurally sound and strong enough to support the expected vertical shear loading of the cladding and adhesive weight combined (>65.0 kg/M2 see BS5385 Part:1 2018 section 6).
2. BOSTIK CLAD-FIX can be applied to dry or damp surfaces however moisture sensitive materials must be avoided. Worn or porous masonry surfaces should be cleaned & sealed with BOSTIK PRIMER diluted as 1 to 3 with water.
3. Ensure all pre-existing movement / expansion joints within the wall structure are continued through the cladding and are not bridged over. Consult local building code requirements regarding any limitations when installing cladding at 3 metres height or greater, where mechanical fixing may also be required

APPLICATION

1. BOSTIK CLAD-FIX should be added to water in a clean container whilst mechanically stirring with a slow speed mechanical mixer to give a consistent, slump-free, easily worked mortar. Place 5.0 litre of clean water in a bucket and slowly add whilst mixing in a 15kg bag of BOSTIK CLAD-FIX.
2. Allow to stand for 5 minutes, then remix prior to being ready for use. The mixed product will remain fresh & workable for up to 3 to 4 hours at 20°C and will then body up & set. Note, part-used adhesive must not be "freshened up" with later water additions.
3. In ideal conditions (i.e. at 20°C and protected from wind & rainfall), BOSTIK CLAD-FIX will set after about 16 to 24 hours. Do not mix or apply in external locations if rainfall is likely, or site & surface temps may fall to be less than 5°C at any point during the first 24 hours.

4. When installing wall cladding, trowel over the substrate with a 6 mm x 9 mm notched trowel, then back butter each cladding bonding face using the straight-edge of the trowel with a thin skim-coat of BOSTIK CLAD-FIX mortar.
5. Carefully place, slide & press the back-buttered panel into the notched mortar bed, ensuring the adhesive layer is fully compacted by the stone whilst it is still wet, tacky and open and able achieve 100% contact between cladding & substrate, keeping it is free from any voids or open gaps, then slightly adjust to the desired position to ensure the required pattern is maintained.
6. Open time of the exposed mortar bed is approximately 20 minutes, depending on surface porosity and site conditions, therefore do not trowel out an area of adhesive greater than can be fixed over within this period.
7. Periodically check the adhesive for complete 100% void-free coverage by removing a single recently applied section of cladding and inspect the transfer onto the back of the tile to validate full contact through to the substrate has been achieved.
8. In external applications in exposed locations it is advisable to provide temporary protection from penetrating rain & wind-chill using waterproof sheets to protect the adhesive bed until it has fully cured.

ROUTING

1. Grouting (where applicable & required) may proceed as soon as the tile bed is sufficiently firm, which for BOSTIK CLAD-FIX in good conditions will be a minimum of 24 hours after being applied at ambient temperatures. This period however will be extended in cold conditions until the adhesive is fully set.

LIMITATIONS

1. Do NOT use BOSTIK CLAD-FIX to bond cladding to plaster, plasterboard or any masonry surface other than that specified as being suitably robust – (Concrete, either pre-cast, strong render or as solid blockwork - not lightweight blocks.)
2. Where backerboards are used as a bonding substrate check with the manufacturer that they are suitable for external use, can hold the weight-load being applied and their mechanical bracings to the structure can also sustain the minimum shear weight load expected.
3. Do NOT use BOSTIK CLAD-FIX to bond cladding to elevations likely to be submerged, or where the structure's surface may be subject to exposure to running water.
4. External features (sills, parapets or abutting structures) should be designed to protect the cladding from water penetration or discoloration from the deposition of waterborne dirt. This protection should be sealed to prevent the ingress of water into the back of the tiling. Flashing and edge trims covering the top edges of cladding should be designed to prevent driven rain seeping into the structure.
5. Where the cladding joints are not pointed or grouted, consideration should be given to the likelihood & effect of rainwater penetration into the structure and the need to apply a "water-proof membrane" to the receiving surface exterior walls prior to fixing.

CLEANING

Trowels and surfaces coated in uncured product can be cleaned using cloths lightly dampened with water after carefully scraping off the bulk of the adhesive paste, whereas set product can only be remove by mechanical means.

STORAGE

BOSTIK CLAD-FIX is supplied in 15kg multi-ply, moisture resistant paper sacks and has a storage life of not less than 12 months if stored in dry, un-opened & fully protected conditions. Should further technical information be required, contact the Bostik Technical helpline on +35318624999.

PRECAUTIONS IN USE

For any application not covered please contact Technical Services on +353 1 8624998 or visit www.bostik.ie for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for, available at www.bostik.ie.

BOSTIK HOTLINE

Smart help +353 1 8624998



FM 01696
BS EN ISO 9001:2008

This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

Sales	Tel: 01 8624999	Fax: 01 8402186	orders.bostik-irl@bostik.com
Technical Advice	Tel: 01 8624998	Fax: 01 8402186	
Technical Data & COSHH (MSDS) Data Sheets	Tel: 01 8624900	Fax: 01 8402186	



FM 01696
BS EN ISO 9001:2008