

## Description

Freeztecq BR-Finish is a part of the Freeztecq Breathable Render system. Used as the final coat of the system, it provides a fine finishing layer. It is applied up to a thickness of 2 mm.

It is a single-component, dry mortar mix based on inorganic binders, standard and lightweight fillers, and specialist admixtures that ensure the increased porosity and water repellent properties of the coating. It meets the requirements of EN 998-1.

## Advantages

- Exhibits a low diffusion resistance – allows transmission of water vapour.
- Provides a suitable base for the application of appropriate paint coatings.
- Final surface provides an architectural finish.

## Physical and mechanical properties

Requirements / results according to EN 998-1

Properties	Value
Reaction to fire	Class A1
Compressive strength (MPa)	NPD
Water absorption after 24 hours (kg/m <sup>2</sup> )	NPD
Water vapour permeability $\mu$	NPD
Adhesive Bond (N/mm <sup>2</sup> )	NPD
Penetration after testing of absorption (mm)	< 5

	Value
Colour	White
Grain size (mm)	0 - 0.7
Mix water consumption per 25 kg bag (litres)	11 - 12.5
Consumption of the dry mixture for 1 m <sup>2</sup> , at a thickness of 2 mm (kg)	2
Porosity (%)	> 45

## Installation

**Substrate.** The surface that is to receive the Freeztecq BR-Finish has to be a well-cured, Freeztecq BR-Base. The Freeztecq BR-Base must be clean and level, with no protrusions, so that it can be covered completely with the Freeztecq BR-Finish. The surface of the base render should be coarse and 'open' to ensure a satisfactory mechanical bond of the fine coating. For this reason, the base render should not be finished with a steel, felt, or PVC trowel.

It is also recommended that the base surface be scratched with a devil trowel or a steel wire brush. Excessively dry base renders should be lightly moistened prior to the application of the fine coat.



**Preparation.** The Freeztecq BR-Finish must be mixed with the recommended amount of clean water. Water consumption is typically 11 - 12.5 litres per 1 No. (25 kg) bag of product. The consistency should be suitable for manual application.

Small amounts of the render may be mixed in a pail with a mixing paddle fitted to an electric drill. Larger amounts may be mixed in conventional mixers. When using a gravity mixer, the time of mixing is typically between 5 and 10 minutes. Timings may vary depending on equipment, and should be adjusted accordingly.

The working time at 20°C is typically between 60 and 90 minutes. Neither the temperature of the substrate, nor the temperature of the ambient air, should be below + 5° C, or above + 30° C during the application process.

**Application.** Freeztecq BR-Finish is applied with a standard trowel only, in a single coat, with a thickness of no greater than 2 mm. Any greater thickness will result in the risk of shrinkage and cracking.

After the initial set, the coat is finished with a felt, rubber, foam or polyurethane trowel.

**Curing.** The final surface must be protected from direct sunlight, wind and other factors which could result in excessive evaporation.

**Finishes.** Depending on the temperature and relative humidity, application of paints on top of the Freeztecq BR-Finish should be applied a minimum of 14 days after the render coating has been applied. (It is more preferable that 28 days have passed before any paint is applied to the render.)

Note. Application of glue-based paints or casein distemper paints, that contain organic components, must be avoided as the materials have the potential to promote the growth of moulds under humid conditions. All finishing paints, must be breathable. When applying any type of paint or the like on to Freeztecq coatings, the user should carry out trials and appropriate testing, under project conditions, to satisfy themselves that there is sufficient adhesion between the finishing coat and the base to which it is being applied.

### **Consumption**

Consumption of the mixture for 1 m<sup>2</sup>, at 2 mm thickness, is 2 kg.



**Storage**

Store this product in a draught free environment, clear of the ground, avoiding humid conditions and extremes of temperature (minimum lower temperature of 7°C). The product should be used within 6 months of the date of production marked on the bag and should not have been exposed to the atmosphere or any risk of oxidization prior to use.

Any product that is stacked should be done so in a stable manner, and to a safe height. The stacking of product should be carried out in such a manner that it does not create any risk of product falling and accidentally bursting the packaging open.

**Packaging**

The product is packaged in triple-ply paper bags with a PE inner lining. Each bag contains 25 kg of product.

The shelf life in undamaged original packaging is 6 months from date of manufacture.

**Handling and Health & Safety**

The Manufacturer maintains comprehensive and up-to-date Safety Data Sheets on all its products. Each sheet contains health and safety information for the protection of workers and customers. The Manufacturer recommends you contact Manorteq Ltd or your local Freeztecq Technical Representative to obtain the latest copies of Safety Data Sheets, which must be read prior to product storage or use.

Always wear sufficient and full protective equipment and suitable clothing when handling the product.

Ensure operatives have adequate ventilation / ventilation equipment available when handling the product.

Do not eat, drink or smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

At all times avoid inhalation of product and contact with skin and eyes.

Carrying the product may cause back injuries, strains, sprains, or the like. Use correct handling techniques to avoid injury. Use handling equipment and controls if necessary to avoid injury. If in doubt, contact your local health and safety body for further guidance on manual handling.

Avoid dropping containers so as to prevent accidental bursting.



**Waste disposal**

Dispose of at a licensed waste facility accepting material of this nature. Dispose of all materials in accordance with current regulations / legislation.

**Notes:**

Standards may vary from region to region. The user should make contact with their local approval body prior to carrying out any work so as to ensure they are fully compliant with any standards that are enforce.

With any Freeztecq products users should, prior to applying them, carry out trials and appropriate testing under project conditions, to satisfy themselves as to the products suitability, ensuring that it meets all expectations for the project in question. Particular attention should be made with regards the trials and testing of Freeztecq coating products. The user must be satisfied that there is sufficient adhesion between the parent structure and the coating which is being applied prior to commencing the works.

**Warranty**

Manorteq Limited (Company No. 13817118) warrants to the purchaser that the products supplied by it shall be free from material defect. Should any of the products be proven defective, the liability to Manorteq Limited shall be limited to (at the choice of Manorteq Limited) either replacement of the proven defective products ex-factory, or refund of the NETT ex-factory purchase price at the date the proven defective products were supplied. Manorteq Limited will not be liable or responsible, to such an extent as permitted by law, for any consequential or direct damages, compensation, costs, expenses, losses or other liabilities that may occur as a result of the defective products. Manorteq Limited makes no warranty as to the merchantability or fitness for a particular purpose and the terms of this warranty are in lieu of all other warranties expressed or implied by law.

Please note: This Technical Data Sheet is for general guidance only. It does not constitute as a detailed guide for a specific application. Due to the unique circumstances of every site, each installation must be assessed on a project-by-project basis as there may be many variables to consider. Independent professional advice should be sought on each installation. The information contained within this Technical Data Sheet is to the best of Manorteq Limited's knowledge and belief, accurate and reliable of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness.