

Builda-Finish



We Create Better Future

Single component polymer modified cementitious fairing coat (0.5-3.0mm)

Description:

Builda-Finish is a single component polymer modifier repair mortar for use as a fairing coat or smoothing mortar. It is designed for thin layers application to fill in pores, blowholes and blemishes on a concrete surface giving the surface a fair faced appearance. When mixed with water as directed the trowelable mortar is easily workable and can be applied over horizontal, vertical and overhead surfaces. The product is non-shrink and fully compatible with BUILCHEM concrete repair products.

Uses:

Builda-Finish can be used as a high

- Fairing or skim coat on concrete and mortar substrates.
- Cosmetic repair fairing coat after major concrete repair is executed.
- Slight honey combing and blowhole filler for soffits surfaces.
- Very thin layer render coat on horizontal and vertical areas for external and internal finishing.
- Preparatory treatment to concrete to receive a thin film protective coating.

Advantages:

- Ready to use after mixing with water.
- Cures with low shrinkage and free from cracks.
- Polymer modified. Provides extremely low, permeability to water and chlorides. High resistance to carbonation.
- Excellent adhesion to concrete.
- Recoatable and receives other cement products.

Technical properties (@25°C & 50% R.H)

Applicable standards:	ASTM C 579, C580, EN1015-17
Physical state / color	Powder / Grey
Mixing water per 20kg bag	approx.6.5-7.0Liter
Wet Density	1.7 kg/Litter
Application temperature range	+5°C to +35°C
Workability @25°C	40-60 minutes
Layer thickness/coat	0.5 to 3 mm
Horizontal/vertical/overhead	
Compressive strength 28 days (ASTM C 579)	20 N/mm ²

Flexural strength 28 days (ASTM C 580)	7 N/mm ²
Adhesion to concrete @ 28 days	1.5 N/mm ²
Chloride ion content (EN 1015-17-2000)	0.02%

Note:- Properties are based on laboratory-controlled tests.

Instruction for use:

Surface preparation:

The cementitious surfaces to be bonded should be sound, clean, uncontaminated and free of loose materials. Use a steel brush to remove contaminants and laitance. Soak the substrate thoroughly with water to ensure a saturated but surface dry condition. Under severe drying conditions, repeated soaking may be necessary to ensure the substrate is still saturated at the time of application.

Application of repair mortar over dry concrete surface without saturation with clean water (SSD) will result in failure of product and defect in the repair.

Void Filling: Deeper voids should be filled prior to application of **Builda-Finish** by reducing the amount of water added when mixing, to produce a trowelable like mortar.

No independent priming is required.

Mixing:

Single bags may be mixed using a slow speed drill and a spiral pedal or a forced action mechanical mixer. For normal applications, place 6.5 to 7.0 litter of clean cold water into the mixer. While the machine is in operation, add slowly one full bag (20kg) of **Builda-Finish** and mix for 3-4 minutes at 400-500 rpm until a smooth, lump free consistency is achieved.

The amount of water required may vary slightly depending on the application but should not exceed 7.0 litter per 20kg bag **Builda-Finish**. Do not subsequently re temper with extra water.

Small quantities (5-10kg) can be mixed by hand using a suitable mixing drum or a bucket. Mix the material thoroughly for a minimum 3 minutes to make a homogenous paste.

Powder must always be added to water and not reverse.

BUILDING CHEMICAL COMPANY FOR INDUSTRY

Tel.: +966 11 462 2777, Fax.: +966 11 293 0393, P.O. Box 8037
Riyadh 12313 KSA Info@builchem.com, www.builchem.com

شركة كيمائيات البناء للصناعة

Builda-Finish



Application:

Apply the mixed **Builda-Finish** to the prepared substrate using a steel trowel to the desired application thickness. Care should be taken not to overwork the surface. Allow the surface to partly set before final trowelling to a smooth finish. A small amount of water may be flicked onto the surface of **Builda-Finish** using a paint brush prior to final trowelling for ease of application and to attain a smooth finish. At temperatures above 35°C the bags should be stored in shade and cool water used for mixing. The maximum applied thickness is 3mm from the depth of imperfections to the finished surface.

Curing:

In moderate ambient condition, curing is not generally required, however under extreme conditions high temperature and drying winds curing must be done using **Builda-Cure AR**, which is sprayed on to the surface of **Builda-Finish** in a continuous film. Large areas should be cured as trowelling progresses without waiting for completion of the entire area. Supplementary curing with polythene sheeting taped down at the edges is also recommended.

Cleaning:

Builda-Finish, **Builda-Cure AR** should be removed from tools, equipment and mixes with clean water immediately after use. Cured material can only be removed mechanically.

Yield:

Each bag of **Builda-Finish** when mixed with 6.50liter of water yields 15.5 liters of mortar.

Packaging:

Builda-Finish is supplied in 20 kg high quality recyclable paper bags.

Storage and Shelf Life:

Builda-Finish has a shelf life of 12 Month from date of manufacturing when kept in dry storage under shed in original unopened bags.

Health and Safety:

Builda-Plug can be harmful to skin as it contains cement powder which may release alkalis when mixed with water. During application wear appropriate protective clothing, goggles, gloves, and respiratory equipment if necessary.

- In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
- In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
- If ingested, obtain medical attention immediately.
- Do not induce vomiting.

Refer to product safety data sheet for further details.

Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given. All **IBCF** Datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

Ver. 01/2019