



Buildplast-HQ (Pre-mixed cement-silica based High Quality Water Repellent Plaster)

Buildplast-HQ is a dry pre-mixed; cement-silica based water repellent plaster for indoor and outdoor applications. Manufactured to strictly controlled specifications & supplied as a ready mixed powder that requires only the addition of water on site for indoor and outdoor applications. It can be applied on any masonry surface from 10 to 40mm thickness. It is classified as type GP CS II, W1 mortar according to EN 998-1.

Features: On application, it produces an ideal substrate for paint, wallpaper, protective & decorative coatings. Buildplast-HQ can be applied with suitable plastering machines or by hand in accordance to BSEN13914-1 & 2 onto prepared concrete surface, block works as well as on most mineral backgrounds.

Buildplast-HQ is a waterproof and Breathable Plaster provides a totally waterproof barrier, without the need for a membrane. Applied direct to walls it seals and prevents the ingress of water either side of the plaster while remaining vapour and air-permeable, allowing trapped moisture to evaporate. It is environmentally friendly and does not contain harmful or flammable ingredients.

Advantages:

- Total water-repellence according to DIN 18550
- Stable standardised properties with excellent breathability
- High adhesion to substrate and very good workability
- Cracking prevention unlike other cement based plasters

Uses:

- External walls, internal walls, facades, plinths, etc.
- Showers / wet-rooms, swimming pools, kitchen, balconies, etc.
- Cellars and basements, bathrooms, Old, listed and heritage buildings, etc.

Directions for use:

Substrate Required: The substrate should be stable, free of dust, oily or loose materials etc. and should be thoroughly dampened. A bonding rush coat (rough cast) with BP Rushcoat should be applied on the surface, before the application of Buildplast-HQ. After the bonding rush coat is dried follows the application of Buildplast-HQ.

Application: Buildplast-HQ is added into clean water under continuous stirring, until a mortar with the required workability is formed. The plaster is applied by hand, using a float or a trowel, or with a plastering machine. The plaster is then smoothed by hand, using a spongy float, after sufficient setting has occurred.

Curing: Buildplast-HQ must be cured for a minimum of 48 hours by spraying potable water at least thrice a day and allowing it to harden before any protective coating or decorative application.

Notes:

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385 and CP 202.

Typical Properties:

- Appearance : Grey granular powder
- Grain Size : Up to 1.3 mm
- Binder : Portland cement
- Shelf Life : 12 months, if stored properly
- Mixing Ratio : 5.0-6.0 L of water per 40 kg bag
- Coverage : 1.5m²@ 15mm thickness/bag
- Density : Wet: 1.80 kg/L; Dry: 1.5 kg/L
- Flexural Strength: 1.8 N/mm² @ 28 days
- Compressive Strength: 3.8 N/mm² @ 28 days
- Pull off Strength: 0.4 N/mm² @ 28 days
- Water Absorption: < 0.2 kg/m² min^{0.5} (Class W1)
- Thermal Conductivity: < 0.47 W/mK for P=50%
- Reaction to Fire: Class A1

Workability:

Working time depends on ambient temperature and workability of the mixture. However, ideally 45 minutes at 25°C, after 5 minutes standing time and the mixed material must be used before drying out occurs; and therefore, it is essential to work with a small quantity preferably few bags at a time.



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Composition:

Buildplast-HQ is a blend of Portland cement, graded sand and, chemical additives, and high organic polymer content additive.

Code Practice:

Plastering should be carried out in accordance with relevant British Standards or BS Codes of Practice, details of which can be obtained from BS Institute, British standard House, 2 Park Street, London W.1.

Pack Size: 40 kg plastic sacks

Shelf Life & Storage:

12 months if stored properly in original unopened packing in dry conditions away from direct sunlight and moisture.

Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a Buildplus Management System to conform to the requirements of the quality, environmental, health & safety Standards.

Important check points:

- The surface is dampened before plastering
- The newly plastered surface is protected from direct sunlight by covering with jute for at least 24 hours
- Check that the plaster is cured for at least 2 days
- A mild steel chicken-mesh can be fixed at corners and joints to avoid cracks at joints
- Get the work inspected by engineers at site for faults by checking for ringing plaster (ringing sound due to loose bonding of the plaster)

Technical support:

Buildplus offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

Health & Safety Precautions:

This product contains Portland cement which is slightly alkaline when wet. For people with sensitive skins may cause irritation. As a general Code of Safety Practice all chemical products should be treated with care, kept away from children and animals, especially protect eyes and skin. In an emergency seek medical advice.

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