EWIPRO Render Systems

EWI-226
AQUABASE
PRODUCT DATA SHEET

EWI-226 Aquabase Water Resistant Basecoat is a cement-based, polymer-modified adhesive and reinforcing basecoat designed for internal and external areas where increased resistance to water ingress is required. It can be used for bonding XPS insulation boards to suitable substrates and as a reinforced basecoat for embedding fibreglass mesh to create a stable surface for subsequent compatible finishes.



Intended Uses

EWI-226 Aquabase Water Resistant Basecoat is intended for use in internal and external areas exposed to increased moisture, including areas around the DPC and suitable wet-room applications. It can be used as a bedding adhesive for XPS insulation boards and as a reinforced basecoat with fibreglass mesh. Once dry, the surface can receive suitable tile adhesives, plasters or compatible render finishes. EWI-226 is not intended for use in swimming pools.

Technical Specification

Composition	Portland cement, polymers and mineral fillers
Quantity Per Unit	25kg
Consumption	Approx. 1.5–1.7kg/m² per 1mm thickness
Minimum / Maximum Thickness	4–6mm
Recommend Adhesive Thickness	4-6mm
Recommend Basecoat Thickness	6mm
Coverage Rate	Approx. 2.5–4.2m² per 25kg bag at 4–6mm thickness

Water Mix Proportions	Approx. 5–6L of clean water per 25kg dry mix
Application Temperature	+5°C to +25°C
Working Time	Approx. 2 hours at +20°C and approximately 60% RH
Drying Time	Approx. 12–48 hours, depending on application, temperature, humidity and site conditions
Reaction to Fire	Class A1
Soluble Chromium (VI) Concentration	≤ 0.0002%

Please note: Thickness, consumption, coverage and time figures are indicative only and may vary depending on the substrate, application method and site conditions.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

The substrate must be sound, stable, clean and free from dust, dirt, loose material and other contaminants that may affect adhesion. Remove weak or poorly bonded areas before application. Where required, use a suitable primer according to the substrate type, condition and absorbency. When used as a reinforced basecoat, ensure the XPS insulation boards are securely fixed, level, dry and free from contamination.

Product Preparation

Mix one 25kg bag of EWI-226 with approximately 5–6 litres of clean, cool water using a suitable paddle mixer for 2–3 minutes until smooth and lump-free. Leave to stand for approximately 5 minutes, then briefly remix. Do not add further water once the material has begun to set.

Application

When used as a bedding adhesive, apply EWI-226 to the rear of the XPS insulation board using a suitable trowel and application method for the substrate.

When used as a reinforced basecoat, apply the material evenly over the insulation and embed fibreglass mesh into the fresh material. Apply a further pass as required to fully cover the reinforcement and achieve the required water-resistant build-up. Smooth the surface and overlap adjoining mesh sections appropriately. When a water-resistant reinforced layer is required, apply EWI-226 in two passes to ensure the fibreglass mesh is fully embedded and covered.

Application Conditions

Apply between +5°C and +25°C. Protect freshly applied material from rain, frost, snow, strong winds, direct sunlight and rapid drying. Drying time will vary depending on temperature, humidity, substrate and application thickness.

Clean-up

Clean tools and equipment with clean water immediately after use. Hardened material should be removed mechanically. Do not dispose of waste material into drainage systems.

Packaging & Storage

Supplied in 25kg bags. Store unopened in the original packaging in a dry environment above +5°C and protect from moisture. Shelf life is up to 9 months from the date of manufacture when stored correctly.

Compliance with Standards

ETA 15/0576 and ETA 15/0575.
BBA Approval Inspection Testing Certificate 18/5503.

Safety Measures

Wear suitable protective gloves, protective clothing and eye protection during mixing and application, with suitable respiratory protection where dust may be generated. Wet mortar may irritate or burn the skin and eyes, so direct contact should be avoided. In the event of eye contact, rinse immediately and thoroughly with clean water and seek medical advice. Remove contaminated clothing promptly and wash affected skin thoroughly. Refer to the relevant Safety Data Sheet for full handling, first aid and disposal information.

General Information

This data sheet replaces all previous editions. The information provided is based on current knowledge and practical experience, and while it has been compiled with care, it is not guaranteed to be accurate, complete or suitable for all applications. It is the responsibility of the user to verify the product's suitability for their specific use case. No legal obligations are established by this document.

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Address:
Unit 1-2 King George's Trading Estate,
Davis Road,
Chessington,
England,
KT9 1TT

Email:
info@ewipro.com

Phone:
0800 133 7072

EWIPRO

www.ewipro.com