

Primer X Concentrate LEVELMAX

1:1 Dilutable Acrylic Bonding Primer for Self-Levelling Compounds

The Next Level in Sustainable Building Solutions

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TECHNICAL DATA SHEET

TECHNICAL CHARACTERISTICS

LEVELMAX Primer X Concentrate is a low-VOC, water-based acrylic primer concentrate designed to be diluted 1:1 with clean water before application. It is formulated to improve bonding, regulate substrate porosity and enhance the performance of cement-based self-levelling compounds on suitably prepared substrates.

When correctly applied, Primer X Concentrate provides uniform treatment across the entire prepared substrate, helping to control substrate absorbency and reduce rapid loss of mix water from the subsequent self-levelling compound.

WHERE TO USE

- Ideal for priming interior surfaces.
- Recommended for use prior to the application of cementitious self-levelling underlayments, such as LEVELMAX ProFlow.
- Applicable on masonry substrates, ALC wall panels, concrete, plaster layers, and brick and concrete walls.
- The complete area to receive cementitious self-levelling compound must be properly and uniformly primed before application.



TECHNICAL DATA SHEET

Property	Value
Consistency	Liquid
Colour	Milky white
Dry solids content (%)	14% to 20%
VOC	Low (near zero)
Dilution Ratio	1 part Primer X Concentrate : 1 part clean water ALC and AAC substrates: undiluted (no water)
Application Data (at +23°C and 50% R.H.)	
Thickness Per Coat	Minimum 0.2 mm wet thickness
pH	6.5 to 8.5
Application Temperature Range	from +5°C to +35°C
Application Method	Suitable roller, brush or soft broom
Number of Applications	1-2 applications depending on substrate absorbency and surface condition
Drying time before the application of levelling compounds	Approx. 2 hours; must be completely dry before levelling
Surface Requirement Before Levelling	Uniform, continuous, fully dry primer treatment

RECOMMENDATIONS

- Application temperature range is from +5°C to +35°C. Application and drying performance may be affected by substrate temperature, ambient temperature, relative humidity, ventilation and substrate absorbency.
- Store at temperatures above 0°C.
- Do not apply LEVELMAX ProFlow over untreated, partially primed, wet, tacky or contaminated areas.
- Ensure the primer has dried completely and the substrate shows uniform treatment before levelling.

SUBSTRATE PREPARATION

- The substrate must be clean, dry, sound, stable and free from dust, laitance, oil, grease, wax, curing compounds, paint, adhesive residues, release agents and other contaminants that may affect adhesion.
- Loose, weak, damaged or cracked areas must be repaired before application.
- Where grinding, sanding or other mechanical preparation has been carried out, thoroughly vacuum the entire substrate to remove all residual dust before priming.
- Do not apply primer over loose dust or contaminated surfaces.

DILUTION

- Dilute LEVELMAX Primer X Concentrate with clean water at a strict 1:1 ratio.
- Mix thoroughly until a completely uniform primer solution is achieved before application.
- Do not exceed the recommended dilution ratio, as excessive dilution may reduce primer performance and result in insufficient substrate treatment.
- ALC and AAC substrates: apply LEVELMAX Primer X Concentrate undiluted. Do not add water.

APPLICATION

- Apply the diluted LEVELMAX Primer X Concentrate evenly across the entire prepared substrate using a suitable roller, brush or soft broom.
- Apply in a crisscross pattern to achieve full, continuous and uniform primer coverage across the complete surface.
- **The entire substrate must be treated before the application of LEVELMAX ProFlow.**
- **Do not leave untreated areas, missed sections, dry patches or visibly inconsistent primer coverage.**
- **Do not over-roll or spread the primer excessively thin.**
- Do not allow excessive primer to puddle or pool, as localised excessive build-up may result in uneven drying.
- On highly porous or textured substrates, work the primer thoroughly into the surface to ensure uniform treatment.

SECOND APPLICATION – HIGHLY POROUS SUBSTRATES

- Highly absorbent, porous or mechanically prepared substrates may rapidly absorb the first application of primer.
- Where the first application is absorbed quickly and does not provide uniform treatment across the substrate, allow the first application to dry before applying a second application.
- Apply only sufficient additional primer to achieve consistent and complete coverage across the entire surface.
- Do not proceed with LEVELMAX ProFlow while untreated, excessively absorbent or visibly dry areas remain.

DRYING

- Allow LEVELMAX Primer X Concentrate to dry completely before applying LEVELMAX ProFlow or other compatible cement-based self-levelling compounds.
- Typical drying time is approximately 2 hours at +23°C and 50% R.H. Actual drying time may vary depending on substrate absorbency, application rate, ambient and substrate temperature, relative humidity and ventilation.
- Do not apply LEVELMAX ProFlow while the primer is wet, tacky, unevenly dried or visibly inconsistent in coverage.

INSPECTION BEFORE LEVELLING

Before applying LEVELMAX ProFlow, visually inspect the entire primed area.

Primer treatment must be uniform, continuous and completely dry across the full surface.

Do not proceed if untreated areas, dry patches, excessive absorbency, standing primer, contamination or incomplete drying remain visible.

Any deficient areas must be corrected and allowed to dry before levelling.

IMPORTANT – HIGHLY POROUS SUBSTRATES

Complete and continuous primer coverage is essential before the application of cementitious self-levelling compounds.

Incomplete primer coverage, missed areas, excessive thinning or untreated highly absorbent sections may allow the substrate to rapidly absorb water from the levelling compound.

This may reduce flow, cause premature drying, pinholing or air bubbles, and increase the risk of shrinkage, cracking or loss of adhesion.

The entire substrate must be uniformly primed and completely dry before applying LEVELMAX ProFlow.

CLEANING

Clean all tools, rollers, brushes and application equipment with water immediately after use while the primer is still wet. Once fully dried or cured, residual material can only be removed mechanically.

PACKAGING

LEVELMAX Primer X Concentrate is supplied in a 20 L bucket.

STORAGE

Shelf life is 12 months when stored in the original, unopened packaging.

Store in a dry, cool and well-ventilated place away from direct sunlight and excessive heat.

Keep containers tightly closed when not in use.

Store above 0°C and protect from freezing.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Personal Protection: Avoid contact with skin and eyes. Wear suitable protective gloves and eye protection during handling and application.

First Aid Treatment: For detailed first aid, health and safety information, refer to the current LEVELMAX Primer X Concentrate Safety Data Sheet (SDS).

Disposal: Do not discharge uncured product into drains, sewers, waterways or soil. Dispose of unused product and empty packaging in accordance with applicable local regulations.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application.

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