

PRIMER MOI

PRIMER FOR FRESHLY RENDERED SUBSTRATES
CALCIUM ION BLOCKING · EFFLORESCENCE RESISTANT

PRODUCT DESCRIPTION

PRIMER MOI is a water-based primer built on a hydrophobic styrene - acrylic binder with alkali ion absorption. It reacts with the active calcium ions in young render and concrete to form a barrier against the migration of ions and salts into the layer above. The waterproofing coat can therefore be applied earlier without the coloured coating chalking or fading.

LOW VOC



ILLUSTRATIVE IMAGE Rolling PRIMER MOI onto a freshly rendered wall — surface touch-dry, no standing water



ILLUSTRATIVE IMAGE The primed wall left to dry before the coloured waterproofing coat



ILLUSTRATIVE IMAGE Coloured waterproofing over the primed substrate — even colour, no chalking or white bloom

USES

- Allows the waterproofing layer to be applied **earlier** on young render and plaster
- **Locks the free calcium ions** in the substrate, stopping salts migrating into the coating
- Prevents **chalking, fading and white bloom** on coloured waterproofing coats
- Binds fine dust and improves the adhesion of the subsequent layer
- **Does not replace** substrate curing time — see the minimum substrate age table

MINIMUM SUBSTRATE AGE BEFORE APPLICATION

Type of mortar substrate	Minimum substrate age
Mortar mixed on site (by hand or in a site mixer)	3 days
BUMATECH factory dry-mix mortar Sc 100 · Sc 150 · Sc 200	1 day

Factory dry-mix mortar has a water/cement ratio controlled in the plant, so the free water is lower and far more consistent, which is why the substrate age can be cut to 1 day. These figures apply where the surface is touch-dry with NO standing water and the temperature is 8 - 35°C; in damp locations or prolonged rain the wait must be extended.

COMPATIBLE MATERIALS

- **Acrylic and PU waterproofing:** WALLCOAT, PROOF 668, EnerSAV, SolarSHIELD, PUA 680

SUBSTRATE REQUIREMENTS

- Suitable substrates: render, plaster and cementitious surfaces; the substrate must be sound and clean, free of dust, dirt, oil, grease, paint, curing compounds and contaminants
- **No standing water** on the surface during application — a surface-damp substrate is acceptable, a saturated one is not
- **No rising damp from below.** Check on site to ASTM D4263-24: tape a sheet of polyethylene about 45 × 45cm to the substrate; if water has condensed underneath after 16 hours the substrate still carries rising moisture and the source must be dealt with first
- Cracks and defects in the render must be made good before the primer is applied

QUICK SPECIFICATIONS

PACKAGING	18kg/pail
COLOUR	Milky white
SPECIFIC GRAVITY	1.2
NUMBER OF COATS	1 - 2 coats
COVERAGE	0.3kg/m²
EQUIVALENT COVERAGE	~3.3m²/kg
DRYING TIME	1 - 2 hours
APPLICATION METHOD	Roller or spray equipment
SHELF LIFE	12 months (unopened container)
STORAGE CONDITIONS	Cool, dry and shaded place

SAFETY INFORMATION

- **Skin and eyes:** PRIMER MOI is a water-based synthetic resin solution; avoid direct and prolonged contact with skin and eyes; wash affected skin with soap and water; do not touch the eyes, face or mouth with hands contaminated by the product
- **Eye contact:** rinse immediately under continuously running clean water for 10 - 15 minutes without rubbing; seek medical attention if discomfort persists
- **Protective equipment:** Gloves when stirring, rolling or spraying · Safety goggles and face protection where there is a risk of splashing · Suitable protective clothing
- **Spray safety:** avoid inhaling mist when applying by spray equipment; work in a well-ventilated area and use respiratory protection where required; never direct the spray nozzle towards people
- **Storage:** reseal the container after use and store in a dry place; avoid prolonged exposure to high temperature, which shortens the shelf life; keep the packaging intact to prevent contamination
- Read the Technical Data Sheet and the latest **Safety Data Sheet (SDS)** carefully before use; for further information contact the BUMATECH technical department

PRECAUTIONS & DISCLAIMER

- Always shake or stir thoroughly before use to obtain a uniform solution; apply only to sound, clean concrete or cementitious mortar free of dust, oil, grease, paint, curing compounds and contaminants
- Apply a thin, even primer coat by roller or spray equipment; avoid ponding, air bubbles and excessively thick areas. Coverage varies with the absorbency of the surface — contact the BUMATECH technical department
- Note: PRIMER MOI **shortens the waiting time; it does NOT remove it.** The minimum substrate age table must be observed; application on a substrate younger than the stated age is not covered by warranty
- Note: **Do not apply to substrates with standing water or with rising damp from below.** The product blocks the migration of ions and salts; it is not a barrier against negative-side water pressure
- Vapour-tight film-forming waterproofing (PU based) applied on top needs additional time for the substrate to release moisture; consult the technical department for enclosed, unventilated areas
- Carry out a trial application on a small area before full-scale use, to assess absorbency, coverage and compatibility with the subsequent material system
- The figures in this document were established by laboratory testing under standard conditions; actual values vary with temperature, humidity, accompanying materials, application method and workmanship. The user is responsible for verifying suitability for the intended use
- BUMATECH accepts no liability for loss arising from misuse, application contrary to these instructions, or combination with incompatible materials not confirmed in writing, and reserves the right to update technical information without prior notice. Check the latest TDS version on the website before every project

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PRIMER MOI
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