

Skim 2in1 EX

THIN-COAT WALL SKIM MORTAR
EXTERIOR · HIGH-RISE BUILDINGS

PRODUCT DESCRIPTION

Skim 2in1 EX is a premium polymer-modified cementitious skim render for finishing **exterior walls**, in particular the **concrete walls of high-rise buildings**. Its mix design is specific to exterior exposure and differs from Skim 2in1 IN, which is used indoors.

QUICK SPECIFICATIONS

PACKAGING	25kg/bag
COLOUR	Grey or white (on request)
WATER MIXING RATIO	5.75 - 6.00L per 25kg bag
COVERAGE	~1.5kg/m² per 1mm thickness
RECOMMENDED THICKNESS	5mm per layer · Max 10mm (2 layers)
DRYING TIME PER LAYER	04 - 12 hours
PRIMER COAT	Not required
COMPRESSIVE STRENGTH AT 28 DAYS	≥ 10.0MPa
BOND STRENGTH	≥ 1.2MPa
SUBSTRATE TEMPERATURE	8 - 35°C
CURING	No curing required
SHELF LIFE	06 months (unopened bag)
STORAGE CONDITIONS	Cool, dry, well-ventilated place



ILLUSTRATIVE IMAGE Applying **Skim 2in1 EX** to the concrete wall of a high-rise building



ILLUSTRATIVE IMAGE Building façade after skimming, ready for the finishing paint

USES

- Finishing **exterior walls**, replacing the traditional skim coat
- **Principal applications:** Concrete walls of high-rise buildings · Building façades
- **Suitable substrates:** Concrete surfaces · Cement-based renders · Precast concrete wall panels
- For **interior work** use Skim 2in1 IN

SUBSTRATE REQUIREMENTS

- **Concrete:** sound and free of dust, grease, laitance, contaminants, curing compounds and mould-release oil
- **Cracks:** repair by injection with the epoxy product BUMA-SP Bond 81
- **Roughening:** mechanically roughen to ICRI CSP 1 - 2 (grinding, low-pressure water jetting, etc.); minimum substrate bond strength 1.5MPa to ASTM C1583/C1583M-25
- **Precast panels:** the surface must be free of dust and grease; misting with water before application is recommended

MIXING

- Pour **5.75 - 6.00 litres** of clean water into a bucket, slowly add **01 bag (25kg)** of mortar and mix to a uniform consistency
- Slow-speed mixer **~300 - 600rpm**, mix until uniform — avoid over-mixing
- Allow the mix to stand for **5 minutes** then remix
- During application, if the mix stiffens slightly, remix it without adding water

APPLICATION

- Use **a steel trowel or float** to apply, level and finish the mortar surface
- Each finished layer **5mm** requires **04 - 12 hours** to dry, depending on ambient conditions
- Multi-layer application: ensure the previous layer is dry before applying the next
- Suitable spray equipment may be used to apply the product
- The product bonds strongly even to metal — wash tools while the mortar is still fresh; once hardened it can only be removed mechanically

TECHNICAL DATA

Property	Standard	Result
Flowability	TCVN 7239:2014 TCVN 3121-3:2022	165 - 190mm
Compressive strength after 28 days	TCVN 3121-11:2022	≥ 10.0MPa
Adhesion strength to concrete	TCVN 3121-12:2022	≥ 1.2MPa
Chloride ion content	TCVN 3121-17:2022	< 0.1% (Pass)

The above results and recommendations are based on laboratory testing; actual performance may vary depending on the application method and specific site conditions

SAFETY INFORMATION

- **Skin and eyes:** the product contains alkaline Portland cement; contact with perspiration or body fluids may cause skin irritation, mild burns or allergic reaction in sensitive individuals. Both dry and wet cement can cause serious eye injury on direct contact
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing the eye; if pain persists, seek medical attention at the nearest facility
- **Crystalline silica dust:** do NOT swallow the product. Crystalline silica dust may cause lung disease or cancer — wear a dust mask or respirator wherever product dust is present
- **Protective equipment:** Gloves · Safety goggles (when mixing) · Fine-dust mask (when mixing) · Protective clothing
- **Working environment:** work in a well-ventilated area, away from confined spaces, children and pets; avoid inhaling cement dust while mixing the dry material
- **Surplus material:** reseal the bag tightly after use to prevent moisture pick-up. Do not dispose of surplus material down drains — it may cause blockages; allow it to harden and dispose of it as construction waste
- Consult the **Safety Data Sheet (SDS)** latest edition on the official BUMATECH website, or contact our technical department

PRECAUTIONS & DISCLAIMER

- Always carry out a trial application on a small area before full-scale work, to assess adhesion, coverage and compatibility with the substrate under actual site conditions
- Do not add cement or sand to **Skim 2in1 EX**
- Do not exceed 5mm per layer or 10mm in total (2 layers)
- Exterior application: avoid applying in strong sunshine, high wind or before rain; protect freshly applied surfaces
- Exterior surfaces must receive a protective paint or finishing system as specified
- Do NOT swallow the product. Crystalline silica dust may cause lung disease or cancer — a dust mask or respirator must be worn wherever product dust is present
- The figures in this document are established by laboratory testing under standard conditions; actual values vary with temperature, humidity, accompanying materials, application method and workmanship. It is the user's responsibility to verify suitability for the intended use
- BUMATECH accepts no liability for loss arising from use outside the intended purpose, application contrary to these instructions, or combination with incompatible materials not confirmed in writing; we reserve the right to update technical information without prior notice. Check the latest TDS edition on our website before each project

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