


# Sc 150

READY-MIXED DRY MORTAR
GRADE 150 · 15.0MPa

## PRODUCT DESCRIPTION

Sc 150 is a factory-packaged ready-mixed mortar composed of Portland cement, selected aggregates and synthetic polymer additives. It is designed to be gauged with water or with BuMaLATEX to produce a mortar whose flexural strength and adhesion are superior to conventional site-batched mortar. Classified to TCVN 4314:2022, with a minimum compressive strength at 28 days of 15.0MPa. The product is used as a floor screed.

## QUICK SPECIFICATIONS

| | |
|---|---|
| PACKAGING | 25kg/bag · 50kg/bag |
| COLOUR | Grey |
| WATER MIXING RATIO | 25kg bag: 3.00 - 3.25L<br>50kg bag: 6.00 - 6.50L |
| COVERAGE | One 25kg bag yields 12.5 - 13.0 litres of mortar |
| COMPRESSIVE STRENGTH AT 28 DAYS | ≥ 15.0MPa |
| FLOWABILITY | 175 - 205mm |
| MIXING LIQUID IN PLACE OF WATER | BuMaLATEX |
| DRYING TIME PER 10mm LAYER | 02 - 03 hours |
| SUBSTRATE TEMPERATURE | 8 - 35°C |
| CURING | Mist-cure for at least 7 days |
| MESH REINFORCEMENT | Where the mortar layer exceeds 3cm |
| SHELF LIFE | 06 months (unopened bag) |
| STORAGE CONDITIONS | Cool, dry, well-ventilated place |




ILLUSTRATIVE IMAGE Laying a floor screed with ready-mixed dry mortar Sc 150



ILLUSTRATIVE IMAGE Level grade 150 screed, awaiting the finishing layer

## USES

- Suitable for use as **masonry mortar, render and repair mortar**, for interior and exterior work
- **Suitable substrates:** Concrete · Pressed concrete block · Fired clay brick
- Mix with BuMaLATEX in place of water where higher adhesion and flexural capacity are required

## SUBSTRATE & BONDING COAT

- **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 before application
- **Roughening:** mechanically roughen to ICRI CSP 2 - 3 (grinding, high-pressure water jetting, light sandblasting, scabbling, etc.); minimum substrate bond strength 1.5MPa to ASTM C1583/C1583M-25
- **Bonding slurry:** apply a bonding coat before rendering — use BuMaLATEX mixed with cement
- **Pressed concrete block:** apply a bonding coat before rendering; use steel mesh or BuMaMESH 70 / BuMaMESH 150 between layers where the render is thicker than **3cm**

## MIXING

- Add water to the mixer: **3.00 - 3.25L** per 25kg bag · **6.00 - 6.50L** per 50kg bag
- Add the mortar to the mixer and mix to a uniform consistency for **5 - 10 minutes**

## APPLICATION & CURING

- Use a wooden float or plastering trowel to apply, level and finish the mortar
- Each finished 10mm layer requires **02 - 03 hours** to dry, depending on ambient conditions
- Multi-layer application: the previous layer must be dry before the next is applied
- Suitable spray equipment may be used — verify suitability before use
- **Curing:** mist the mortar surface with water for at least **7 days** from the time of application

## TECHNICAL DATA

| Property | Standard | Result |
|---|---|---|
| Flowability | TCVN 4314:2022<br>TCVN 3121-3:2022 | 175 - 205mm |
| Compressive strength after 28 days | TCVN 4314:2022<br>TCVN 3121-11:2022 | ≥ 15.0MPa |
| Chloride ion content | TCVN 4314:2022<br>TCVN 3121-17:2022 | < 0.1% |

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 the product — it is factory-batched, and adding other materials alters the mix design and voids the declared performance figures
- Mortar layers thicker than 3cm should be reinforced between layers with steel mesh or alkali-resistant glass-fibre mesh BuMaMESH 70 / BuMaMESH 150
- 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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BROCHURE CONSTRUCTION MORTAR

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