



JELBETON

JELBETON is a polymer-modified, cement-based colored or concrete-look surface topping that can be applied in thicknesses from **1 to 10 mm**. It is UV resistant and highly resistant to cracking and shrinkage.

- Resistant to cracking and shrinkage.
- Self-leveling for a smooth surface.
- Excellent adhesion to the substrate.

APPLICATION AREAS

- Used on floors exposed to medium and heavy traffic.
- Suitable as a self-leveling coating for damaged surfaces with irregularities between **1–10 mm**, both indoors and outdoors.
- Can be applied over concrete, ceramic, marble, and both old and new floor surfaces.

APPLICATION INFORMATION

Surface Preparation: The substrate must be sound, solid, clean, dry, and free of dust. Any oil, grease, rust, paraffin residues, or other contaminants that may reduce adhesion must be completely removed. Loose particles should not remain on the surface. Surface defects should be repaired before application. Protect the application area from rain. In large areas, expansion joints must be planned to prevent cracking, and application sections should be determined accordingly. To shorten the application time, improve adhesion, and minimize air bubbles, the surface should be pre-wetted with clean water. After washing, remove excess water with a squeegee. Apply **ISONEM JELBETON** while the surface is slightly damp. For better color durability, the surface may optionally be coated approximately **4 hours after application** with **ISONEM LIQUID GLASS**, using a roller or sprayer at a consumption of **0.1 kg/m²** (single coat).

Mixing Preparation: Pour **5 liters of clean water** into a mixing bucket for each **20 kg bag** of ISONEM JELBETON. Gradually add the powder while mixing with a low-speed mixer for approximately **5 minutes** until a homogeneous mixture is obtained. Allow the mixture to rest for **5 minutes**, then remix for **30 seconds** before use.

Mixing Ratio 20 kg bag : 5 liters of water

Application Method: Spread the prepared mortar onto the surface; it will self-level naturally. Adjust the thickness using a notched trowel. Do not add extra water during the pot life. Remove trapped air from the surface using a **spiked roller**. Avoid sudden temperature changes during application. Do not apply in areas exposed to direct sunlight or strong winds.

TECHNICAL SPECIFICATIONS

- **Compressive strength (Mpa)** : ≥ 10 , CLASS R1
- **Chloride ion content (%)** : $\leq 0,05$
- **Bond created through adhesion (Mpa)** : $\geq 0,8$
- **Walkable time** : 24 hours (+20°C)
- **Full cure** : 28 days (+20°C)
- **Pot life (23°C)** : 1 hour (+23°C)
- **Solvent** : Water
- **Color** : Gray, White, Yellow, Red, Blue, Green
- **Product consumption** : 2–4 kg/m² (powder form)
- **Paintable (Coverage) Area** : Minimum 5–10 m² per 20 kg bag. Coverage values are approximate and may vary depending on substrate condition and application thickness.

PACKAGING & STORAGE

- **Packaging** : 20 kg Craft bag
- **Storage temperature** : 5 - 35 °C
- **Shelf life** : 24 months from date of production if stored in original, unopened, undamaged packages.
- **Storage condition** : Store tightly closed in a dry and cool place away from heat and fire.



IMPORTANT

Suitable for application at temperatures between +5°C and +25°C. If the ambient or substrate temperature is outside this range, wait until suitable application conditions are achieved. Do not apply in excessively hot or windy conditions. **The applied surface must be protected from rain, water, mechanical impact, and other external factors during and after application for at least 4 days.**

APPLICATION CONDITIONS and RISKS



Things to consider during and after the application

The application surface must be clean and free from all impurities like dirt, oil, and mud.

Other ISONEM products recommended

ISONEM LIQUID GLASS should be used to ensure long-lasting color durability on the surface.

Application temperature

It should be applied 5 - 25 °C.

General Features



Physical Resistance



Light Vehicle Traffic



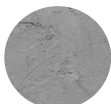
Decorative floor covering



A2 S1 d0 Fire Class



Pedestrian Traffic



CONCRETE



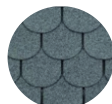
MARBLE, GRANITE



RAW WOOD



TILE, CERAMICS



MEMBRANE, SHINGLE



STEEL, METAL

Application	Horizontal	Horizontal	X	Horizontal	X	X
Surface Humidity	Slightly damp / moist surface	Slightly damp / moist surface	X	Slightly damp / moist surface	X	X
Application Tools	Self levelling, notched trowel	Self levelling, notched trowel	X	Self levelling, notched trowel	X	X
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	1 Layers	1 Layers	X	1 Layers	X	X
Product Consumption	2-4 kg/m² (powder form)	2-4 kg/m² (powder form)	X	2-4 kg/m² (powder form)	X	X
Between Two Coats	X	X	X	X	X	X
Touch-free Drying	12 Hours	12 Hours	X	12 Hours	X	X

Note : Drying times are approximate data, it may vary depending on ambient conditions.



The information given in this technical data sheet has been prepared according to our knowledge, experiment results, and experiences. The correct and successful implementation of our products is completely beyond our control and responsibility. For this reason, our responsibility is limited to the quality of our product only, and this manual overrides all previous technical statements, descriptions and label information.