JELBETON

JELBETON, It is a polymer-modified, colored, UV-resistant, cement-based surface coating that resembles colored or concrete-looking and is resistant to cracking and shrinkage. It can be applied at a thickness of 1 to 10 mm.

- It is resistant to cracking and shrinkage.
- It is self-leveling.
- It has high adhesion to the applied surface.

USAGE AREAS

- Used on medium and heavy pedestrian traffic floors.
- Used as a self-leveling coating for indoor surfaces with uneven floors between 1 and 10 mm thickness.
- Can be applied to concrete, ceramic, marble, and both old and new floor surfaces.

APPLICATION INFORMATION

Surface Preparation: The surface must be strong, stable, clean, and free of dust. Remove any oil, grease, or wax that could prevent proper adhesion. Clean away all loose particles and repair any surface damage. Avoid airflow in the application area to prevent drying issues. For large areas, use guides to keep the surface level and avoid unevenness. Before applying **ISONEM JELBETON** leveling screed, prime the surface with **ISONEM D 10 LATEX.** This primer helps extend the working time, improves adhesion, and reduces air bubbles. Apply **ISONEM D 10 LATEX** undiluted with a brush at 200 mL per square meter. Start applying **ISONEM JELBETON** within 30 to 40 minutes after priming, while the primer is still wet and the surface is slightly tacky. After 48 hours, it's recommended to apply a final coat of **ISONEM LIQUID GLASS** to protect the surface from stains, dirt, oil, and water, depending on how the surface will be used. This protective layer can be applied using a brush, roller (synthetic epoxy), or suitable spray device, with a usage of 75-100 grams per square meter (one coat).
Preparation of Mixture: Pour 4 liters of clean water into a clean mixing bucket for every 20 kg of **ISONEM JELBETON**. Slowly add the material into the bucket while mixing with a low-speed mixer for 3–4 minutes until a homogeneous mixture is achieved. Let the mixture rest for about 2 minutes, then mix again for approximately 30 seconds before use.
Mixture ratio: For a 20 kg bag: 4 liters of water
Application Method: The prepared mortar is self-leveling. The thickness of the material is adjusted using a notched trowel. During setting, no water should be added. Air bubbles on the surface should be removed with a spiked roller. Sudden temperature changes in the application area should be avoided. The application should not be carried out in areas exposed to direct sunlight or wind.

TECHNICAL SPECIFICATIONS

· Compressive strength (Mpa)	:	≥ 10, CLASS R1
· Chloride ion content (%)	:	≤ 0,05
· Bond created through adhesion (Mpa)	:	≥ 0,8
· Walkable time	:	12 hours (+20°C)
· Full cure	:	28 days (+20°C)
· Pot life (23°C)	:	20 minutes (+20°C)
· Solvent	:	Water
· Color	:	Yellow, red, blue, green, grey
· Product consumption	:	2 kg/m² for 1 mm thickness (powder form)
· Paintable (Coverage) Area	:	10 m² per 1 craft bag at 1 mm 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

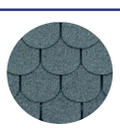
The product is suitable for use at temperatures between +5°C and +25°C. If the ambient or substrate temperature is outside this range, wait until conditions are suitable before proceeding. Do not apply the product in extremely hot or windy conditions. The surface should be protected from rain, water, mechanical loads, and impacts for 24 hours during and after application. After application, wait at least three days before applying any surface coating over the material.

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	To improve adhesion and water resistance, **ISONEM D 10 LATEX** and **ISONEM LIQUID GLASS** should be used.
Application temperature	It should be applied 5 - 25 °C.

General Features

- Physical Resistance
- Decorative floor covering
- A2 S1 d0 Fire Class
- Light Vehicle Traffic
- 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	ISONEM D 10 LATEX	ISONEM D 10 LATEX	X	ISONEM D 10 LATEX	X	X
Primer Consumption	200 mL/m²	200 mL/m²	X	200 mL/m²	X	X
Product Usage	1 Layers	1 Layers	X	1 Layers	X	X
Product Consumption	2 kg/m² for 1 mm thickness (powder form)	2 kg/m² for 1 mm thickness (powder form)	X	2 kg/m² for 1 mm thickness (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
Through Drying	28 Days	28 Days	X	28 Days	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.