



LIQUID GLASS

ISONEM LIQUID GLASS is a two-component product which excellently adheres to surface like glass, mosaic, tile, porcelain, ceramic, marble, granite, natural stone, wood, concrete, screed, galvanized sheet, aluminum etc.. The product which has a high resistance to atmospheric conditions can be used for waterproofing and decorative purposes. Produced in transparent the product has high chemical and physical besides excellent water resistance. It is not affected by U.V and outdoor weather conditions. It does not get yellow, fading or peeling off in time. It is especially applied as a solution to insulation problems arising on the floors such as balconies, terraces, bathrooms easily and without damaging the existing coating.

USAGE AREAS

- Glass, glass brick, mosaic, mosaic tile,
- Tiles, ceramics, marble, granite, natural stone, porcelain surfaces
- In press bricks, on wooden surfaces,
- Balcony, terrace, bathroom, kitchen, stone-covered exterior.
- Ceramic, glass mosaic covered ornamental pools.
- It helps to prevent dusting on absorbent surfaces.

APPLICATION INFORMATION

Surface preparation: The relative humidity of the air should be maximum 80%, the ambient temperature should be 15 - 35 °C and the surface temperature to be applied should be at least 5 °C. It should not be applied in rainy weather. For good adhesion, surface cleaning should be done very well. Any kind of oil, dust, dirt, rust and similar substances on the surfaces to be applied between the liquid glass and the floor which may prevent the liquid glass from sticking to the surface should be completely cleaned. In tile, ceramic applications, if existing joint fillings were worn away, they should be renewed. The sanded surface provides better mechanical properties for liquid glass application and helps to better adhesion of the liquid glass to the surface.

Application Method: Before application, the two components must be mixed thoroughly and at the given ratios. The two components can react only when the mixture is uniform and complete. The waiting time between coats should be 4 - 24 hours (20 °C). For the best performance, it is recommended as 2 coats on surfaces such as concrete, raw wood, and 1 coat on surfaces such as marble, granite, tiles, ceramic, sheet metal, and metal.

TECHNICAL SPECIFICATIONS

- **Density A comp. (25°C, g/mL)** : 0,90 ± 0,10
- **Density B comp. (25°C, g/mL)** : 0,95 ± 0,10
- **pH (25°C)** : Not applicable (N/A)
- **Viscosity B comp. (25°C, mPa.s)** : 0 - 500
- **Water transmission rate (kg / m² · h^{0,5})** : < 0,1 CLASS W₃
- **Adhesion strength by pull-off test (N/mm²)** : Rigid system without trafficking ≥ 1,0 N/mm²
- **Permeability to water vapour (m)** : 5 ≤ S_p ≤ 50 CLASS II
- **Pot life (23°C)** : 50 - 60 minutes
- **Solvent** : Organic solvent
- **Color** : Transparent
- **Product consumption** : 150 - 200 g/m² (two layers), 75 - 100 g/m² (one layer)
- **Paintable (Coverage) Area** : 4 - 5,2 m²/0,8 kg set, 10 - 13 m²/2 kg set, 20 - 26 m²/4 kg set

PACKAGING & STORAGE

- **Packaging** : 0,8 kg set (Component A: 0,70 kg + Component B: 0,10 kg)
2 kg set (Component A: 1,75 kg + Component B: 0,25 kg)
4 kg set (Component A: 3,5 kg, Component B: 0,5 kg)
- **Storage temperature (°C)** : 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 surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

B component should be used immediately after opening. It is not appropriate to re-use an opened packaging that took air.

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. The joint fillings should be renewed if current ones abraded in ceramic, tiles applications.

Other ISONEM products recommended

X

Application temperature

It should be applied between 5 - 35°C.

General Features



Provides %100 Waterproofing



Bfl S1 Fire Class



Fast Drying



Excellent Adhesion

	CONCRETE	MARBLE, GRANITE	RAW WOOD	TILE, CERAMICS	MEMBRANE, SHINGLE	STEEL, METAL
Application	In the same direction as the first layer	In the same direction	In the same direction as the first layer	In the same direction	X	In the same direction
Surface Humidity	Dry surface	Dry surface	Dry surface	Dry surface	X	Dry surface
Application Tools	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	X	Roller, brush, spray
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	2 Layers	1 Layer	2 Layers	1 Layer	X	1 Layer
Product Consumption	150 - 200 g/m ² (2 Layers)	75 - 100 g/m ² (1 Layer)	150 - 200 g/m ² (2 Layers)	75 - 100 g/m ² (1 Layer)	X	75 - 100 g/m ² (1 Layer)
Between Two Coats	4 - 24 Hours	X	4 - 24 Hours	X	X	X
Touch-free Drying	1 - 2 Hours	1 - 2 Hours	1 - 2 Hours	1 - 2 Hours	X	1 - 2 Hours
Through Drying	7 Days	7 Days	7 Days	7 Days	X	7 Days

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

