

## TECHNICAL DATA SHEET

# ISONEM LIQUID MARBLE

(Liquid Marble)

### PRODUCT DESCRIPTION

ISONEM LIQUID MARBLE is a two-component, low viscosity, solvent-free, self-leveling, multi-purpose indoor countertop and floor coating that provides a unique decorative finish thanks to reflective pigments and aesthetic effects. It is easy to apply, provides a glossy marble-like surface, it is waterproof and hygienic, easy to clean. Resistant to mechanical loads, abrasion and chemicals.

- It is decorative and provides a glossy surface.
- Resistant against friction, impact and abrasion.
- Easy and practical to clean.
- Fast and easy to apply, easy to maintain. It has high adhesion feature.
- Solvent free. It has excellent penetration properties.

### Usage Areas

It is suitable for use on all kinds of indoor marble countertops and concrete surfaces in showrooms, offices, homes, common areas of shopping malls, stores, laboratories, food, chemical and pharmaceutical industries.

**SUITABLE FOR INDOOR USE ONLY.**

### Technical Specifications

Density A comp. (25°C, g/mL)	: 1,10 ± 0,10
pH (25°C)	: Not applicable (N/A)
Viscosity A comp. (25°C, mPa.s)	: 1500- 3500
Solid Content (Weight %)	: Not applicable (N/A)
Water Transmission Rate (kg/ m <sup>2</sup> . h <sup>0.5</sup> )	: < 0,1 CLASS W <sub>3</sub>
Adhesion Strength by Pull-off Test (N/mm <sup>2</sup> )	: Rigid system without traffic load ≥ 1.0 N/mm <sup>2</sup> , with traffic load 2,0 N/mm <sup>2</sup>
Permeability to Water Vapour (m)	: 5 ≤ S <sub>D</sub> ≤ 50 CLASS II
Touch Free Drying	: 8 - 10 hours
Through Dry Time	: 7 days
Pot Life (23°C)	: 30 - 40 minutes
Solvent	: Organic Solvent
Class of Fire Reaction	: C fl S1
Color	: Liquid Marble Color Chart

## APPLICATION PROCEDURE

**Surface Preparation:** Application surfaces should be cleaned from all kinds of oil, dirt, dust and surface defects and should be dry and clean. Concrete, row wood surface should be primed with ISONEM EP PRIMER before application of ISONEM LIQUID MARBLE but there is no need primer application for marble countertops, you only need to sand with a sanding stone before the application of ISONEM LIQUID MARBLE.

**Preparation of mixture:** ISONEM LIQUID MARBLE is supplied in ready-to-use sets according to the mixing ratio. The mixture should be prepared as much as to be applied by paying attention to the pot life. Make sure that the material temperature is between 15 and 25°C before mixing. Component A should be thoroughly mixed with a 300- 400 rpm mechanical mixer for 3 - 4 minutes without air entrainment. Then, all of component B should be poured into component A and make sure that no material remains in component B. A+B should be mixed for at least 3 minutes until a homogeneous mixture is obtained and the prepared mixture should be consumed within 30 - 40 minutes.

**Application Method:** The mixture should be applied to the prepared surface by spreading it with a brush or roller. If thickness is desired, the second coat should be applied after the first coat has dried on the surface. For more marble effect and decorative appearance, the desired marble appearance can be given with sponge roller, epoxy roller, butterfly roller etc. apparatus approximately 1-2 hours after the product application (when it is in a consistency that can take shape close to drying). Hard drying time is 18-24 hours. Full hardening and physical and chemical resistance takes 7 days.

### Application Conditions / Limitations

<b><u>Application</u></b>	: Same direction as the first layer
<b><u>Surface humidity</u></b>	: Dry surface
<b><u>Primer usage</u></b>	: ISONEM EP PRIMER (for concrete, row wood surfaces)
<b><u>Primer consumption</u></b>	: 0,250 - 0,400 kg/m <sup>2</sup>
<b><u>Product usage</u></b>	: Single coat
<b><u>Product consumption</u></b>	: 0,6 - 1,0 kg/m <sup>2</sup>
<b><u>Paintable (Coverage) Area</u></b>	: 2,5- 4 m <sup>2</sup> /set
<b><u>Between two coats</u></b>	: X
<b><u>Recommended application tools</u></b>	: Roller (synthetic epoxy), brush, suitable spray
<b><u>Application temperature (°C)</u></b>	: 5 - 35 °C

**Things to consider during and after the application:** The application surface must be clean and free from dirt, oil and mud.

**Other ISONEM products recommended:** ISONEM EP PRIMER should be used in primer application for concrete, row wood surfaces.

## IMPORTANT

The application surface should be protected from all external factors such as rain, water, mechanical impacts etc. for 24 hours during and after application. Suitable for indoor use only. Where used indoors, it must be protected from direct sunlight.

## Packaging & Storage

<b>Packaging</b>	: 2,5 kg set (A component: 1,6 kg, B component: 0,9 kg) 5kg set (A component: 3,2kg, B component: 1,8 kg)
<b>Storage temperature (°C)</b>	: 5 - 35 °C
<b>Shelf Life</b>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<b>Depolama koşulları</b>	: Store tightly closed in a dry and cool place and away from heat and fire.

## Equipment Cleaning

Clean all tools and application equipment with cellulosic thinner immediately after use.

## Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

### Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

