ISONEM POOL TRANSPARENT

(Transparent Pool Paint)

Product Description

ISONEM Pool Transparent is a two-component, modified polyurethane resin-based, transparent pool paint designed to waterproof ceramic, tile, glass mosaic-coated surfaces with insulation problems. Ceramic, tile, glass mosaic, tile, etc. can be used to solve the insulation problems of existing pools. The product, which provides waterproofing in an extremely easy and economical way without the need to remove the coatings, gives the surface a bright appearance as well as excellent insulation on the surface it is applied. It is hard-elastic, does not crack, does not swell, does not lift. It is not affected by UV rays and pool chemicals. It is extremely resistant to alkali and chlorine. It does not turn yellow, does not deteriorate under water, does not corrode. It is extremely easy and economical to work.

Usage Areas

- Ceramic, tile, glass mosaic, tile, etc. covered swimming pools,
- In ornamental pools,
- Hammam, sauna, etc. in places,

Technical Specifications

Density A comp. (25°C, g/mL)	:	0,93 ± 0,10
pH (25°C)	:	Not applicable (N/A)
Viscosity A comp. (25°C, mPa.s)	:	Not applicable (N/A)
Solid content (% Weight)	:	30 ± 2
Water transmission rate (kg/ m^2. $h^{0,5}$)	:	< 0,1 CLASS W_3
Adhesion strength by pull-off test (N/mm^2)	:	Rigid system without trafficking ≥ 1.0 N/mm^2
Permeability to water vapour (m)	:	S_D ≤ 5 CLASS I
Touch-free Drying	:	6 hours
Through-dry time	:	10 days
Pot life (23°C)	:	5 - 6 hours
Solvent	:	Organic solvent
Class of fire reaction	:	B fl S1
Color	:	Transparent

Application Procedure

Surface preparation: The surface must be clean, dry and free of foreign materials such as dirt, oil, coating, surface curing materials. After the water of the existing pools in use is drained, at least 7 days should be waited before the application in order to ensure that the joints are completely dry. If the existing joint fillers are worn, the necessary repairs and renewals must be made with cement-based joint fillers and full curing should be expected. Primer should be applied to the pre-prepared application surface before ISONEM POOL TRANSPARENT application, and ISONEM Liquid Glass product should be used in a single layer with a consumption of 75 – 100 g/m2 in the primer application. 4 hours after the primer application, ISONEM POOL TRANSPARENT, which is the last layer, should be applied.

Preparation of the mixing: Before preparing the mixture, mix component A until it becomes homogeneous in itself. After adding component B to component A, mix for 3-4 minutes until a homogeneous mixture is obtained.

Application method: The application should be done in one coat, with a brush, roller or a suitable sprayer. The prepared mixture should be consumed within 5-6 hours. After the application, the pool should be left to cure for 10 days before being filled with water.

Application Conditions / Limitations

Application	:	In the same direction as the first coat of primer
Surface humidity	:	Must be dry
Primer usage	:	ISONEM Liquid Glass
Primer consumption	:	75 – 100 g/m²
Product usage	:	1 layer
Product consumption	:	100 - 200 g/m²
Paintable (Coverage) Area	:	22,5 - 45 m² /set
Between two coats	:	4 hours (Between primer and topcoat application)
Recommended application tools	:	Roller (synthetic epoxy), brush, suitable spray
Application temperature (°C)	:	5 - 35 °C

Things to consider during and after the application: The application surface must be clean and free of substances such as dirt, oil, mud. If the existing joint fillers are worn before the application, they should be renewed. 4 hours after the primer application, the top coat should be applied. After the water discharge of the pools in use, it should be waited for at least 7 days for complete drying. Application should not be made on joints that are not fully cured.
Other ISONEM products recommended: In primer application, ISONEM Liquid Glass should be used.

IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. After the application, the pool should be left to cure for 10 days before being filled with water. After the water discharge of the pools in use, it should be waited for at least 7 days for complete drying. Application should not be made on joints that have not been fully dried.

Packaging & Storage

Packaging	:	4,5 kg set (Component A: 4 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.

Cleaning of Tools

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.

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TS EN 1504-2: Surface protection systems for concrete - Coating (POOL TRANSPARENT)
DoP No: 54

	STANDARD VALUE	CONTROL VALUE
Permeabilityto water vapour	Class I S_D<5 m *(permeable to water vapour)* Class II 5 m≤S_D≤ 50 m Class III S_D>50 m *(not permeable to water*	Class I - 4 m
Capillaryabsorption and permeabilityto water	w < 0,1 kg/m^2.h^{0,5}	0,01 kg/m^2.h^{0,5}
Adhesion strength by pull-off test	Without trafficking ≥ 1,0 N/mm^2 With trafficking ≥ 2,0 N/mm^2	Rigid system without trafficking 1,0 N/mm²
Dangerous substances comply with 5.4		
Class of fire reaction: Bfl S1		