

# ISONEM® SEAL HARDENER

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Floor Coating

## New Generation Concrete Hardener and Dirt Repellent

ISONEM Seal Hardener has a high performance, dust preventing, transparent, glossy, multi-purpose concrete hardener, excellent dirt repellent, is insulation and protection material. It is resistant to high temperatures and fire. It is a product of surface strengthening and anti-dusting on concrete, natural stone and similar floors which provides protection against stains, dirt, dust and strengthens the surface. It penetrates into the concrete surface and hardens the surface, creates a shiny wet looking surface, is easy to clean, liquid impermeable and makes the concrete suitable for wet cleaning. It is resistant to pedestrian and vehicle traffic.

### TECHNICAL SPECIFICATIONS

**Contents :** One component, silane modified polymer based floor coating

**View /Color :** Clear liquid

**Density [25°C, g/mL] :** 1.00 ± 0.10

**Viscosity [25°C, mPa.s] :** 0 - 500

**Solids Content [% Weight] :** 93 ± 2

**Brightness [60° Angle] :** ≥ 60, CLASS G1

**Flash Point [°C] :** > 100

**Dust-free drying [20°C] :** 30 - 40 minutes

**Hard Drying Time [20 °C] :** 18 hours

**Through drying [20°C] :** 1 day

### APPLICATION METHOD

**Surface Preparation :** The application surfaces must be dry, clean and free from any dirt, oil, dust and surface residues. Before applying on the exposed concrete surfaces without coating in the open areas, the surface must be dry, stable and free from loose and moving particles. The appropriate surface preparation methods are steam cleaning, high-pressure water jet or roughening.

**Application Method :** ISONEM SEAL HARDENER is ready to use. Before application, mix the product thoroughly after opening the package. Applications should be made in 2 coats with velvet short-haired roller. The first coat is applied with a consumption of approximately 50 gr/m<sup>2</sup>. The product should not be used more than the recommended consumption amount. The second coat should be applied 24 hours after the first coat application. Before applying the second coat, let the previous coat reach the adhesive dryness. Once the first coat dries, the second coat is applied with a consumption of approximately 20 - 50 gr/m<sup>2</sup>. The product should not be used more than the recommended consumption amount.

**CONSUMPTION :** 50 g/m<sup>2</sup> (first layer), 20 - 50 gr/m<sup>2</sup> (second layer). 10 - 14 m<sup>2</sup> / can.

**PACKING :** 1 Kg metallic can.

**STORAGE :** 24 months in original, unopened package, cool and dry environment.

### USAGE AREAS

- Protection of concrete and other cementitious surfaces in buildings and infrastructures
- Bright appearance on desired floors and walls
- To increase the service life of concrete
- Bright, colorless and suitable for use with visible aggregate concrete surfaces
- Surface hardener applied surfaces
- Alum concrete
- Factory, warehouse, welding workshops, machining centers, car parks
- Shops, shopping centers, parking structures, service stations, hangars etc.

### PROPERTIES

- It prevents dusting thanks to it increases the abrasion resistance of the surface.
- Easy to apply because it is one component.
- It makes concrete resistant to chlorine and chemicals.
- Good penetration and very fast drying.
- Its consumption is very low and it forms a gloss film.
- It protects against the atmospheric effects that can penetrate into the concrete in the form of salts or gases.
- Reduces dirt retention and the color of concrete does not change with the effect of rain.
- Easy operation and excellent wear resistance.
- Colorless and odorless, environmentally friendly.
- Resistant to fire and heat.

**IMPORTANT**

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

The product should not be used more than the recommended consumption amount.

**General Features**



Provides %100 Waterproofing



B fl S1 Fire Class



Heat and Fire Resistant



Dirt Repellent



Fast Drying



**Application Conditions and Risks**

**Things to consider during and after the application**

The application surfaces must be clean and free from dirt, oil, rust etc..

**Applicable temperature**

Between +5 and +35°C

**ATTENTION**

The product is cured with moisture. Therefore, packages should be consumed immediately. The packaging quantity is designed to be applied in one time. So once the package opened all content should be used in one time.

Surface Floor



Concrete



Marble, Granite



Raw wood



Tile & Ceramic



Membrane, Shingle etc.



Steel & Metal

Application	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Surface Humidity	Dry	X	X	X	X	X
Application Tools	Velvet Roll	X	X	X	X	X
Primer Usage	X	X	X	X	X	X
Primer.Conspt	X	X	X	X	X	X
Product Usage	2 Layers	X	X	X	X	X
Product.Conspt	100 g/m <sup>2</sup> (2 Layers)	X	X	X	X	X
Betw.Two.Coats	24 Hours	X	X	X	X	X
Application	48 Hours	X	X	X	X	X



**SZUTEST**



Finishing



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“ Our products are not classified by Biocidal Products Regulation ”