



# METALLIC FLOOR

**METALLIC FLOORCOATING**, it is a low viscosity, solvent-free, self-leveling, multi-purpose indoor flooring material that provides unique decorative image thanks to its two-component, reflective pigments and aesthetic effects. It is easy to apply, provides a glossy metallic surface, is water-impermeable and hygienic, easy to clean. It is resistant to mechanical loads, wear and chemicals. Suitable for use on all interior surfaces such as concrete, ceramic, marble, mosaic, steel, glass, etc..

## USAGE AREAS

- Showrooms, offices, houses, shopping malls
- All kinds of ceramic, concrete, marble, mosaic, wood, steel surfaces,
- Laboratory, food, chemical and pharmaceutical industries,

**SUITABLE FOR INDOOR USE ONLY.**

## PROPERTIES

- Provides decorative and a glossy finish.
- Resistant to friction, impact, and abrasion. Easy and pratic to clean.
- It can be applied quickly and easy, easy to maintain. It has high adhesion properties.
- Solvent-free. It has excellent penetration.

## APPLICATION INFORMATION

**Surface Preparation:** Application surfaces should be clean, dry, and free of all oil, dirt, dust and surface wastes. Before application of **ISONEM Metallic Floor**, in concrete, marble, granite, raw wood, tile, ceramic etc. surfaces, **ISONEM EP Primer** should be used as a primer with 0,250 - 0,400 kg/m<sup>2</sup> consumption. In steel/metal surfaces, the surfaced should be primed with ISONEM Anti Rust Primer (Anticorrosive primer), consumption of 0,250 - 0,350 kg/m<sup>2</sup>.

**Preparation of the mixture:** **ISONEM METALLIC FLOOR** is supplied in ready-to-use kits according to the mixing ratio. The mixture should be prepared to be applied according to the life of the mixture. Before starting to mixed, make sure that the material temperatures are between 15 and 25°C. Component A should be thoroughly mixed with a mechanical stirrer at 300 - 400 rpm for 3 to 4 minutes without dragging air in it. Subsequently, all of component B must be poured into component A and ensure that there is no material left inside the B component. A + B should be mixed for at least 3 minutes until a homogenous mixture is obtained and the prepared mixture should be consumed within 30 - 40 min.

**Application Method:** The mixture should be applied to the prepared surface by brush or roller. If the thickness is desired, the second coat should be applied after the surface drying of the first layer has been achieved. For the formation of the metal effect and the decorative image, the desired metallic reflections can be given by the apparatus like a sponge, roller, epoxy roll, butterfly roll etc. within 1-2 hours after application of the product (when it has the consistency that can take shape, close to drying.). The hard drying time is 18-24 hours. Full hardening and physical, chemical resistance in 7 days.

## TECHNICAL SPECIFICATIONS

- **Density A comp. (25°C, g/mL)** : 1,10 ± 0,10
- **Viscosity A comp. (25°C, mPa.s)** : 1500 - 3500
- **Solid content (% Weight)** : 100
- **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 trafficking ≥ 1.0 N/mm<sup>2</sup>, with trafficking ≥ 2,0 N/mm<sup>2</sup>
- **Permeability to water vapour (m)** : 5 ≤ S<sub>0</sub> ≤ 50 CLASS II
- **Pot life (23°C)** : 30 - 40 minutes
- **Solvent** : Organic solvent
- **Color** : Produced in Metallic Floor Color Chart colors
- **Product consumption** : 0,6 - 1,0 kg/m<sup>2</sup>
- **Paintable (Coverage) Area** : 5 - 8 m<sup>2</sup> /5 kg set, 2,5 - 4 m<sup>2</sup> /2,5 kg set

## PACKAGING & STORAGE

- **Packaging** : 5 kg set (Component A: 3,2 kg, Component B: 1,8 kg)  
2,5 kg set (Component A: 1,6 kg, Component B: 0,9 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.

**IT IS SUITABLE FOR INTERIOR USING ONLY.**


**⚠ APPLICATION CONDITIONS and RISKS**

<b>Things to consider during and after the application.</b>	The application surface must be clean and free from all impurities like dirt, oil, and mud.
<b>Other ISONEM products recommended</b>	In primer application, ISONEM EP PRIMER or ISONEM ANTI RUST PRIMER specified in the table below should be used depending on the application surface.
<b>Application temperature</b>	It should be applied between 5 - 35 °C.


**General Features**




Provides %100 Waterproofing




C fl S1 Fire Class









Chemical Resistance



Decorative floor covering



Physical Resistance

	 CONCRETE	 MARBLE, GRANITE	 RAW WOOD	 TILE, CERAMICS	 MEMBRANE, SHINGLE	 STEEL, METAL
<b>Application</b>	In the same direction as the first layer	In the same direction as the first layer	In the same direction as the first layer	In the same direction as the first layer	X	In the same direction as the first layer
<b>Surface Humidity</b>	Dry Surface	Dry Surface	Dry Surface	Dry Surface	X	Dry Surface
<b>Application Tools</b>	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	X	Roller, brush, spray
<b>Primer Usage</b>	ISONEM EP PRIMER	ISONEM EP PRIMER	ISONEM EP PRIMER	ISONEM EP PRIMER	X	ISONEM EP PRIMER
<b>Primer Consumption</b>	0,250 - 0,400 kg/m <sup>2</sup>	0,250 - 0,400 kg/m <sup>2</sup>	0,250 - 0,400 kg/m <sup>2</sup>	0,250 - 0,400 kg/m <sup>2</sup>	X	0,250 - 0,350 kg/m <sup>2</sup>
<b>Product Usage</b>	1 - 2 Layers	1 - 2 Layers	1 - 2 Layers	1 - 2 Layers	X	1 - 2 Layers
<b>Product Consumption</b>	0,6 - 1 kg/m <sup>2</sup>	0,6 - 1 kg/m <sup>2</sup>	0,6 - 1 kg/m <sup>2</sup>	0,6 - 1 kg/m <sup>2</sup>	X	0,6 - 1 kg/m <sup>2</sup>
<b>Between Two Coats</b>	6 - 24 Hours	6 - 24 Hours	6 - 24 Hours	6 - 24 Hours	X	6 - 24 Hours
<b>Touch-free Drying</b>	8 Hours	8 Hours	8 Hours	8 Hours	X	8 Hours
<b>Through Drying</b>	7 Days	7 Days	7 Days	7 Days	X	7 Days

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

