

ISONEM[®] POLYASPARTIC FLOOR

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Floor Coating

Polyaspartic Floor Covering

ISONEM Polyaspartic Floor is a two component, high performance, user and environmentally friendly, super fast floor coating material that cures very quickly. Due to the low application times of new coats, the applied floors can be opened to service after about 1 - 2 hours. It has excellent UV resistance, does not yellow and not lose its brightness. It is highly resistant to chemicals and its chemical resistance is 4 times higher than epoxy-based coatings. It is hygienic, creates a smooth surface and stain resistance is quite high. It has extremely high mechanical strength, can be used in areas open to traffic, not cracked, scratched, crushed. It has high adhesion strength, it adheres to concrete and metal and it does not peel. The application is easy and maintenance costs are very low.

USAGE AREAS

· Manufacturing plants, storage facilities, distribution centers, food processing plants, textile factories, cold storage / freezers, beverage processing, chemical processing, multi-storey car parks, aircraft hangars, parking places, transportation terminals, vehicle maintenance areas, office buildings, cafeterias and restaurants, shopping malls, schools, educational facilities, chemical fields, laboratories,

TECHNICAL SPECIFICATIONS

Type: Two-component, polyaspartic system
Color: Transparent
Density (25°C, g / mL): 1.00 ± 0.10
Viscosity (25°C, mPa.s): 1000 – 2000
Brightness (60° Angle): > 60, CLASS G1
Dust-free drying (25°C): 15 - 20 minutes
Hard drying time (25°C): Approximate half-hour
Through drying (25°C): 1 - 2 hours

Mixture Life: Temperature Time + 25 ° C ~ 30 minutes

Usage Time: Temperature Time + 30 ° C ~ 15 minutes + 20 ° C ~ 20 minutes

Mixing Ratio: 1/1 (by weight)

PROPERTIES

- User-friendly and environment-friendly, free of any volatile components (VOC-solvent).
- Application is easy and fast. It can be serviced in a few hours.
- Excellent resistance to environmental conditions. Does not make yellowing due to UV resistance.
- Hygienic, stain-resistant, easy to clean.
- High mechanical strength.
- It has high adhesion strength, does not peel off from the surface.
- Low maintenance costs.

APPLICATION INFORMATION

Surface Preparation: Application surfaces should be cleaned from all kinds of oil, dirt, dust and surface wastes and must be completely dry and clean. **Preparation of the mixture:** ISONEM POLYASPARTIC 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

mixing, ensure that the material temperatures are between +15 and + 25°C. Component A should be mixed thoroughly with a mechanical mixer at 300 - 400 rpm for 3 - 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. Component A and B should be mixed for at least 3 minutes until a homogenous mixture is obtained and the prepared mixture should be consumed within 15 - 30 minutes.

Application Method: ISONEM POLYASPARTIC FLOOR should be applied by brush or roller to obtain the desired thickness. The product should be applied in 2 coats for full performance.

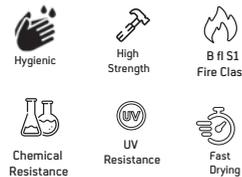
Before applying the second coat, allow the previously applied layer to reach the adhesion dryness.

CONSUMPTION: Depending on the surface: 0.3 - 0.6 kg/m² (two coats) 8-16 m²/set

PACKAGING: 5 kg set - A Component, 2.5 kg canister + B Component, 2.5 kg canister (hardener)

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

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



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

ISONEM products for surface preparation

X

Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	Perpendicular to each layers	X	X	X	X	Perpendicular to each layers
Surface Humidity	Dry	X	X	X	X	Dry
Application Tools	Roller(synthetic epoxy), brush, spray	X	X	X	X	Roller(synthetic epoxy), brush, spray
Primer Usage	X	X	X	X	X	Shop Primer/Anti Rust
Primer.Conspt	X	X	X	X	X	X
Product Usage	2 Layers	X	X	X	X	2 Layers
Product.Conspt	0.3 - 0.6 kg/m ²	X	X	X	X	0.15 - 0.3 kg/m ²
Betw.Two.Coats	1 Hour	X	X	X	X	1 Hour
Application	2 Hours	X	X	X	X	2 Hours



Finishing



The information given in this technical data sheet has been prepared according to our knowledge, experiment results, and experiences. The correct and successful implementation of our products is completely beyond our control and responsibility. For this reason, our responsibility is limited to the quality of our product only, and this manual overrides all previous technical statements, descriptions and label information.

" Our products are not classified by Biocidal Products Regulation "