

# POLYMEMBRAN 335

## 1. Commercial specifications:

Commercial name: POLYMEMBRAN 335

Supplier: NANO PLM+ Ltd.

## 2. Product description:

Two component 3D nano polymer.

## 3. Product characteristics:

Extremel hydrophobic and oleophobic protection of minera surfaces against water, greases, chemicals and pollution. Excellent Anti-Graffiti protection. Resistant to wear and tear.

Is based on fluor polyuretana nano polymers.

Polymembran 335 is a transparent, extremely durable, and long lasting double protection. It creates a highly resistant surface against water, oil (motor, food) and is to be applied to extremely contaminated surfaces. Protects against weather factors and UV rays, and is resistant to wear, abrasion, corrosion, and marine environment. This protection slows down the aging process.

Polymembran 335 provides a longer and better protection to both horizontal and vertical surfaces. Reduces the adhesion from adhesives such as stickers, posters or chewing gum. Is suitable for most indoor and outdoor areas such as pedestrian zones, floors, industrial floors, stairs and more.

## 4. Features:

- Hydrophobic and oleophobic pearl protection.
- Protects against wear and abrasion.
- The hydrophobic properties of the treated surface do not change with the aging process of the surface.
- Protects against UV radiation, yellowing, bleaching, weather factors, acidic rain, de-icing salt, and other.
- The surface becomes is non-sticky for chewing gum, posters, etc.
- Creates a rapid polymerization of the surface.
- Protection against water, oil, dirt and wear

## 5. Possibilities of usage:

Product is ideal for wall and floor (parking, terraces, pedestrian zones, sidewalks, waiting rooms, pavements, patios, bus stops, pedestrian zones, boardwalk, stairways, lobby and etc.). It recommended for the following materials: bricks and unglazed tiles, terracotta, plaster, stone (slate, limestone, granite, sandstone, marble, basalt, etc.), concrete, unglazed ceramics, etc. The combination of water, grease and dirt on the facades of undesirable, but Polymembran 335 will have creates an unrivalled protection. It creates an excellent hydrophobic, oleophobic, wear-resistant, and non-stick surface, which also allows the surface to breathe. Significantly extends the lifeline of surfaces and thus saves you money.

Sights: Is a durable product for the protection and maintenance of monuments and achieves an excellent protection against wear. This significantly reduces maintenance costs from damage or destruction. Ideal for statues, fountains, walls, bridges, floors and highly loaded surfaces monuments (castles, churches, chapels, marble gravestones, museums and so on.)

## 6. Application

The product is ready to mix components A and B, then, ready for use. Do not dilute the product!

Mixing ratio - by volume - 4: 1 component A / B

Pour component B into a jar containing component A. Mix products homogenously manually or with a robot. Do not mix quickly and forcefully, mustn't foam.

The applied surface must be dry, dust-free, and degreased with Polymembran 230, or Polymembran 250. The surface temperature mustn't be lower than 10 ° C and have a 10% maximum humidity.

Manual application: brush or roller, mustn't contain bubbles.

Spray application: a low-pressure spraying, moderated Airless

Apply 2 layers across each other, wet on wet, let dry for 3 hours

Applied 2 layers, the second layer is to be applied immediately after the removal of the solvent from the first layer before its polymerization!

Is dry (from polymerised) film after 24h at 20 ° C / 50rh

Cleaning: depending on the surface structure using Polymembran 230 and Polymembran 250, leave to act and then rinse with high-pressure equipment.

Given the wide range of surfaces a prior test application is recommended

VOC - Polymembran 335 - Categories A in accordance to 415/2012 Sb., subcategories H s limited VOC 750g/l, contains VOC when ready IG 335 is 628g/L.

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Product PLM 335	Number of layers 2	Polymerization time 48 h	Base Synthetic polymer	Appearance Fluid	Harmfulness Xn, Xi, F
Flash-point < 21	Colour Transparent	Coverage 0,1-0,3kg/m <sup>2</sup>	Protection and separation against Water, grease, oils, dirt, wear and abrasion		

### **7. Manipulation:**

During preparation and application of the product, wear protective gloves, goggles and respiratory protection. Work in well-ventilated areas. In case of accident or health problems contact your doctor immediately.

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