

Waterproofing Systems / Polyurethane Based

POLAN® 600 INVISIBLE

Polyurethane Transparent Coating and Waterproofing Material

DESCRIPTION

Polyurethane based, single component, liquid, ready-to-use, elastic, **UV resistant**, walkable, solventborne, **transparent** top coat and waterproofing material.

APPLICATION AREAS

- Outdoor,
- Provides waterproofing at balconies and terraces with light pedestrian traffic which are coated with materials such as glazed tile, ceramic, natural stone, marble and floor tiles, without changing the appearance,
- Reinforced concrete surfaces, plasters and screed floors,
- Industrial floor coatings,
- Mosaics and tile mosaics,
- Glass and glass bricks,
- Metals, such as iron, steel and aluminum,
- CTP, PVC and polycarbonate roof coatings,
- Wooden doors and window frames as a protective coating and waterproofing material.

TECHNICAL PROPERTIES

Appearance	Transparent liquid
Density	~ 1.0 kg/L
Application Temperature	Between +5°C and +30°C
Hardness (Shore D)	35 ± 5
Film Formation Time	80 ± 30 minutes
Skin Formation Time	6 – 8 hours
Waiting Time Between Coats	8 – 24 hours
Walk-on Time	24 hours
Complete Curing Time	7 days
Service Temperature	Between -30°C and +80°C

ADVANTAGES

- Bonds perfectly on all types of surfaces, even on older coatings.
- Allows waterproofing without damaging and changing the appearance of existing coating thanks to its transparency. Decorative and resistant to abrasion of pedestrian traffic.
- Resistant to UV and does not turn to yellow.
- Provides seamless and jointless waterproofing.
- Highly resistant to aging, diluted acids, bases, salt, chemicals, mould and weather conditions. Can keep its initial properties for years.
- No cracking can be observed later on the surfaces applied. After curing, it can be walked on.
- Resistant to water and frost when cured.

CONSUMPTION

Approximately 250 – 300 g/m² on each coat (Varies depending on the absorption and roughness of the surfaces.) Minimum 2 layers are applied.

PACKAGING

2.5 kg and 7.5 kg tin buckets

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be dry and absolutely free from moisture.
- Do not use on damp and wet surfaces or in areas subject to negative side water ingress and salt regurgitation.
- The surface must be clear of materials that prevent bonding, such as dust, oil, tar, paint, silicone, curing materials, detergents and mold oils.
- Repair the weak parts of the concrete, remove poorly adhered plasters; make the surface sound and solid. Repair the static cracks in the building with a plaster with **AQUALATEX** or **REPAIRGROUT EXPAN High Strength Shrinkage-Free Grout Mortars**. Fill the dynamic (moving) cracks with FIXA's appropriate MS, hybrid or polyurethane sealants. Seal any areas of water ingress with **AQUASTOP**.
- Glossy and absorbent surfaces can be roughened by sanding and then primed with **POLAN A Polyurethane Floor Primer**.

APPLICATION

- POLAN 600 INVISIBLE is ready for use. Do not add any external substance.
- Apply single component POLAN 600 INVISIBLE Polyurethane Transparent Coating and Waterproofing Material to the surface with a brush, roller or airless spray gun. It is necessary to apply at least two layers. Wait 12 hours between layers.
- Final curing takes place in 7 days.
- Check for run-off on vertical surfaces, apply in thin coats.

CAUTION

- Avoid application at temperatures below +5°C and above +30°C.
- Contains solvent, flammable. Pay attention to ventilation conditions in closed spaces.
- POLAN 600 INVISIBLE is not suitable for waterproofing of potable water tanks. For this type of surfaces, use **POLAN 620**.
- Do not add water, do not thin. If necessary, it can be thinned with a maximum of 10% pure xylene, this ratio should not be exceeded. Do not use other thinners.
- For ideal results, it should be kept at +15°C for at least 24 hours before application.
- After application, protect the surface from water, rain, dew, frost and snow until it is completely dry.

SHELF LIFE

Expires in 12 months. Store unopened packages between +15°C and +25°C, in a dry environment. Protect from sunlight.

HEALTH AND SAFETY

Contains isocyanate. As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not approach with open flame and do not smoke during application. Work only in adequately ventilated areas. Do not leave the cover open. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.