

# RESINSCUDO



Transparent Polyurethane Coating

Suitable for any substrate

Resistant to abrasion, UV rays and weathering



## Description

Single-component transparent polyurethane coating based on moisture-curing aliphatic polyisocyanates, designed for tiled balconies and terraces. Easy to apply, resistant to UV rays and yellowing. Good resistance to alkaline and acidic solutions, as well as foot traffic. Single-component = ready to use, no mixing required. Moisture-curing = hardens by reacting with humidity in the air.

## Applications

Applications Waterproofing and repair of tiled balconies and terraces with porcelain stoneware, ceramic or terracotta tiles, and as a protective coating for exposed concrete structures (fair-faced concrete).

## Film appearance

GLOSSY

## Colour

TRANSPARENT

## Components

1

## Curing method

Chemical polymerisation: reaction with ambient moisture

## Specific gravity

1,060 gr/ml

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solid volume                     | 80+-2 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| VOC (volatile organic compounds) | 350 gr/ litro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Minimum dry film thickness       | 200 micron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Theoretical coverage             | 2.7 m <sup>2</sup> /litre at 200 microns dry film thickness                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Flash point                      | Component A: 34°C<br>Thinner: 34°C                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Temperature resistance           | From -20°C to +80°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Chemical Resistance              | Good resistance to acidic and alkaline solutions (5%), detergents, sea water, lubricants and fuels                                                                                                                                                                                                                                                                                                                                                                                            |
| Surface Preparation              | The substrate must be dry, clean and free from contaminants such as oils, grease, silicones or any other agents that may impair adhesion. New concrete must be left to cure for at least 28 days and moisture content must be below 4%.                                                                                                                                                                                                                                                       |
| Product Preparation              | No preparation required <ul style="list-style-type: none"> <li>• Component A: 100 parts</li> <li>• Thinner (PMS Solvent): 20%</li> </ul>                                                                                                                                                                                                                                                                                                                                                      |
| Application Instructions         | On well-cleaned tiled surfaces, it is recommended to apply a single coat diluted at 20%. Additional coats must be applied within 12-18 hours. For waterproofing purposes, a thickness of 300-350 microns is recommended. In areas with heavy foot traffic, double thickness is required, with the addition of quartz sand or polyethylene wax — to be mixed in at time of use — in order to reduce slipperiness.<br>?? The product must never be applied on surfaces affected by rising damp. |

**Application Conditions**

Ambient temperature +15°C to +40°C  
Substrate temperature Above +10°C  
Relative humidity 40-85%

To prevent condensation, the substrate temperature must be at least 3°C above the dew point.

**Drying and Curing Times**

Dry to touch 6-8 hours  
Light foot traffic After 24-48 hours  
Full cure Approx. 7 days at 20-22°C, 65% relative humidity

**Overcoating Window**

Maximum 24-36 hours.

**Application Method**

Brush or roller

- For brush application: use nylon or pure bristle brushes.
- For roller application: use a medium-nap roller.
- Apply using the cross-coating method (alternating direction with each coat).

**Shelf Life**

6 months in a cool, dry place (max 40°C).

**Packaging**

- Component A: 5 L — 1 L
- Thinner: 1.5 L