



RESICOLOR 474 ANTI SKID

2K WATERBORNE PU-ACRYLIC CLEARCOAT FINISH WITH ANTI SLIP FEATURES

Clearcoat finish for interior and exterior based on aliphatic isocyanates and acrylates copolymers which, after application, cures by crosslinking also at room temperature. The product is modified with polypropylene microfibers, and inorganic transparent hollow charges to confer roughness and a higher coefficient of friction to the coated flooring.

Available gloss, matt and HG (High Grip) for higher coefficient of friction levels.

Application areas

RESICOLOR 474 ANTI-SKID is suitable in all applications where there is need of a transparent protective finish that increases the coefficient of friction an extent as to satisfy the legal requirements and minimize the risk of slipperiness of the flooring, in particular:

- scratch resistant finish for decorative flooring like DECORWAVE and AUTOMIX;
- waterproofing and protection of concrete, plaster, brick, limestone and silicate stones and cement-based floorings;
- transparent protective treatment of industrial cementitious quartz dusted pavings, to facilitate cleaning, to improve the wear resistance and reduce the absorption of liquids;
- brightens up the appearance and heals the old ceramic flooring, marble, granite and terrazzo with either cement and polymeric binder;
- waterproof and protects the wooden floorings and artifacts, enhances the typical grain of the wood and increases the scratch resistance.

Features

RESICOLOR 474 ANTI SKID protects the treated surfaces to form a glossy or matte uniform waterproof film, resistant to not too much aggressive chemical solutions of acids and bases, has good ultraviolet light stability and it's compatible with common household and industrial detergents. It is still essential to make some preliminary tests to determine the compatibility of the finish and its resistance to chemicals that will be used.

RESICOLOR 474 ANTI SKID hardened film has the following characteristics:

- excellent adhesion to most dry substrates, properly prepared;
- good resistance to wear and incision;
- good flexibility;
- stable to light;
- enhance colors and tone of substrates (concrete, brick, stone, etc.) giving a glossy or matte finish.

Mode of use

Surface preparation

The substrates to be coated must be clean and completely dry, correctly abraded if necessary with sand paper or carbide/diamond grinding tools, with grain size not exceeding 400.

The supports must not have been treated with NOBLOB, oxalic acid and waxes of any kind.

The support and the air temperature should remain approximately between 10 and 30 ° C, the air humidity should not exceed 65-70%. In case of low temperatures and/or high relative humidity, water and co-solvents evaporation is much reduced so preventing correct film coalescence and polymeric chains interdiffusion and as consequence the achievement of the best mechanical characteristics.

In any case only apply at temperatures at least 3 °C higher than the dew point temperature.

Mixing and application

Shake or mix the component A before use.

Pour the entire contents of the components A and B in a clean bucket and mix at low speed with mixer drill fitted with a helix for at least 3 minutes, make sure that a too violent mixing could incorporate an excessive amount of air and moisture that may compromise the aesthetic and performance characteristics of the hardened film.

Clean the walls and the bottom of the bucket with a spatula and stir manually or with a drill for at least one minute.

Apply by short hair roller, brush or airless.

In case of spray application, an excess of pressure combined with temperature and high humidity conditions can cause the formation of microfoam that will give to the film a cloudy appearance.

Although not essential it is recommended to fully utilize the contents of each package. Otherwise make sure it is perfectly sealed. In the case of partial use of the package, the two components must be carefully dosed by weight (not volume) in the proportions indicated on the label.

Generally it is not necessary but it is possible to adjust the viscosity by diluting the product with demineralized water up to a concentration of 10% on the total weight of A + B.

Under normal conditions of humidity and temperature, the paving is ready for light foot traffic after at least 48 hours, for wheeled traffic and the application of operating loads wait for complete hardening which occurs after at least 7/15 days (depending on the room temperature and air relative humidity).

In case of application in two layers ventilate the environments between the first and the second application, wait at least 24 hours to favor the complete evaporation of the solvent. Do not wait more than 48 hours before the second application to avoid risks of a decrease of adhesion.

RESICOLOR 474 ANTI-SKID possesses a good wear resistance, however, where the traffic is more intense the coating will be consumed differently and more than in areas of lower transit, in these areas the coefficient of friction could be reduced over time and no longer satisfy the the law and/or project requirements.

To restore the demanded conditions of low slipperiness and avoid unpleasant aesthetic effects due to product overlays, the old coating must be completely mechanically remove and re-applied again as instructed.

Technical features

Product physical appearance comp. A	milky liquid
comp. B	clear liquid
mix A + B	milky liquid
Hardened film appearance:	transparent, glossy or matt
Abrasion resistance:	
Taber (CS 17, 500 g, 500 cycles)	20 mg
Taber (CS 17, 500 g, 1000 cycles)	30 mg
Cross-hatch test	
on RESICOL 451	ISO 0 - ASTM 5B
on AUTOMIX R90 – R92	ISO 0 - ASTM 5B
Viscosity (Brookfield, 23 °C) (A+B with 10% water)	256 cP
Density	1,05 kg/dm ³
Mixing ratio A + B	100 + 16

Usage times and hardening

After the application of the product on the substrate begins the hardening reaction: the time available is limited and dependent on air and substrate temperature and humidity.

Temperature	Tack free	Recoatable
10 °C	180'	48 h
20 °C	90'	24 h
30 °C	60'	18 h

Minimum temperature for application: +10 ° C and air humidity not more than 65-70%.

Support moisture content must be less than 3%.

In poorly ventilated areas it is advisable to create a forced ventilation after waiting that the floor is dust free.

Consumption

The consumption depends on the preparation, by the roughness and porosity of the substrate.

Generally the consumption over a smooth, flat surface is about 80-120 g/m² per coat.

In case of porous substrates consumption may be higher.

Packaging and storage

Available in 5, 10 and 20 kg package.

In original and closed packaging, the product remains unchanged for at least 12 months when kept in an environment with a temperature of between 10 and 30 °C.

The product is sensitive to frost, do not expose containers to heat or sunlight.

Cleaning of tools and health precautions

To clean tools use water. Per la pulizia degli attrezzi usare acqua.

Polyurethanic resins may cause irritations: please avoid any contact with the skin and especially with the eyes and ensure proper ventilation during use.

Wear gloves, protective suit, goggles or protective visor. People who have to work with epoxy resins for long periods are advised to use protective creams.

In case of contact with the skin, eyes or mucosa, immediately clean with running water and neutral soap for 10/15 minutes, then seek medical advice.

Do not rinse with solvents.

The information supplied in this sheet is the result of the best practical and laboratory experiences of RESIMIX, which guarantees its products when used according to the instructions supplied. It is nonetheless up to the customer to ensure the product is suitable for the intended use. The manufacturer declines any responsibility for incorrect use or uses beyond his control. RESIMIX reserves the right to make changes to the data. For any request, please contact the RESIMIX Technical Assistance Office.