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# RESICOLOR 425

## SOLVENT-BASED EPOXY ENAMEL FOR ANTI-CORROSION PROTECTION OF METAL SURFACES

Enamel based on solvent-phase dispersed solid epoxy polymers with chosen poly-amide hardening agent.

### Areas of use

Primer or bottom layer for anticorrosion protection of metal surfaces in general which are subject to chemical and physical environmental stress before applying RESICOLOR 411-421-421/2-475-480.

### Features

- RESICOLOR 425 is the ideal primer for an epoxy or polyurethane finishing to be applied on a metal because it features excellent adhesion to iron, galvanized metal sheets and aluminium;
- It ensures excellent protection of metals from chemical corrosion or spark erosion phenomena;
- Excellent adhesion to iron, galvanized metal sheets, aluminium and other metals with excellent support wettability;
- Coatings made with RESICOLOR 425 are resistant to abrasion and wear and tear. It also adheres very well to concrete surfaces with excellent waterproofing features.

### How to use

#### Preparation of the support

Sandblast the metal up to SA 2 – 3 degree to achieve ideal adhesion and a cycle with high performance in terms of resistance to saltern fog test.

#### Preparation of the product

Blend component A alone for a few minutes; then pour component B into component A and blend at slow speed for 3' – 5' using drill with helix/spiral to reduce air inlet as much as possible; during this operation, carefully scrape also the bottom and the sides of the package.

#### Application

Apply a layer of material in case of dry film thickness between 60 and 80  $\mu\text{m}$ : two layers of product must be applied using roller, brush or spray (with paint gun or airless gun) on a perfectly degreased, clean, rust-free and dry support.

### Notes

*Application is recommended with temperatures between +5°C and +30°C and with dry atmospheres (not rainy, nor foggy);*

*Do not apply with temperatures below +5°C, or when there is imminent risk of rain or with high relative humidity, because the product filming process could be disrupted;*

*The product can be diluted with approx. 10 – 15% Resisolv 111;*

*72 hours after application it is possible to sand-paper before starting to paint.*

## Technical characteristics

Appearance	Grey, thickliquid
Specificweight	1,53kg/dm <sup>3</sup>
Solidscontent	70 %
Viscosity (Brookfieldat23°C)	272cP
A + Bmixture ratio	100 + 20

## Use and hardening times

Time of use or pot life (*)	> 2hours
Dust free (tack free) 10 °C	40 – 50mins
20 °C	30 – 40 mins
Over-application(**)	12 hours

(\*) it changes according to dilution.

(\*\*) All data refer to an ambient temperature of +20 °C ,50% relative humidity and sufficient; they may change due to thickness and environmental conditions (temperature and humidity).

## Consumption

Approx130 g/m<sup>2</sup>on sandblaster metal

Approx170 g/m<sup>2</sup>on concrete

## Packaging and storage

Available in 6 or30 kgcans (A+B).

If stored in its original, sealed containers in a sheltered place, the product remains unaltered for 18 months if kept in a closed and sheltered environment with a temperature between +10 and +30 C°.

## Cleaning of tools and health precautions

To clean tools use solvents such as RESISOLV 111, RESISOLV 196 or alcohol.

Epoxy resins and hardening agents 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 or contact with the skin, immediately clean with a cloth soaked in denatured alcohol and wash with water or neutral soap or handwash paste. Then use a nourishing cream.

In case of contact with eyes or mucosa, do not use alcohol. Rinse immediately 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.*