



# REOTOP-PU

Two-component water-based aliphatic polyurethane coating

- Suitable for use in closed environments
- The perfect finish for VARIOPLAN-HD
- Suitable for concrete floors and walls
- Abrasion resistant
- Elastic
- Chemical resistant
- Low VOC content
- Breathable

## TECHNICAL FEATURES:

REOTOP-PU is a two-component water-based aliphatic polyurethane coating, suitable for concrete floors and walls and for VARIOPLAN-HD system.

## AREAS OF APPLICATION:

REOTOP-PU can be used in interior or exterior areas as a superficial finish of floors made with the VARIOPLAN-HD system. It is used also as paintwork of coating and wainscoting in warehouses, garages, factories, laboratories, commercial areas, parking areas etc. for food industry.

## METHOD OF USE:

### SUBSTRATES PREPARATION:

The surface must be clean, dry, strong, able to withstand weight, free of grease, oils and paints. All substances that could impair adhesion must be removed. Remove highly contaminated areas mechanically and oil and wax residue. Fill voids and holes with TRIOTECH-50 or BENFERCURE-VARIO. Seal cracks with epoxy resin REOREP or with REOPRIM mixed with REOFIBRE.

The tensile strength of the substrate must never be below the average of 1.5 N/mm<sup>2</sup> (the lowest single value must be no less than 1.0 N/mm<sup>2</sup>). Prepare the substrate with suitable methods such as for example sandblasting and shot peening, milling or scarification to obtain a surface that provides good mechanical bonding to the system.

Before the application as a finish on VARIOPLAN-HD, after at least 24 hours, it is possible to proceed with the removal of residual dust formed on the VARIOPLAN-HD, by cleaning the surface previously with a soft felt, and subsequently with an accurate dust-extraction. During this phase we recommend not to use shoes that might leave traces, because, once covered with REOTOP-PU, it will not be possible to remove them. We recommend to use soft wool socks over the shoes.



TECHNICAL  
ASSISTANCE



INSURANCE  
GUARANTEE



TECHNICAL  
MEETINGS



PROFESSIONAL  
USE

### PRODUCT PREPARATION:

Components A (resin) and B (hardener) are delivered at a predetermined mixing ratio. Tip component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carried out with a suitable mixer at approx. 300 rpm (e.g. drill with paddle). Use a new oval-shaped container to avoid the contamination of REOTOP-PU and to facilitate the damping of rollers. It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is homogenous (free from streaks); mixing time 3 minutes. The minimum temperature during mixing should be +15° C. Do not use mixed material directly from the packaging. Decant the material into a clean container and mix through thoroughly once again.

### PRODUCT APPLICATION:

Apply the finish with a mohair roller, with hairs of 4 mm length, at least in two coats with opposite verse, after 6 hours one from the other. Prepare the tool rolling the adhesive tape around the roller, so when you remove it, it will detach bristles in excess. The product must be applied so as not to leave too large thickness on the surface. Approximately 60 g/m<sup>2</sup> for each coat is considered correct application. Protect finished and sealed coating over the first 24 hours from the elements, such as strong sunlight, wind, rain etc. and damage caused by excessive mechanical load.

### FULL SERVICE:

The floor can be used by pedestrian transit after 24 hours by the end of installation. After at least 7 days

the area can be trafficked with car and mechanical and lightweight forklift machines.

### ADVICE:

- REOTOP-PU must be stored at a temperature included between 15°C e 25°C during the first 24 hours before use.
- During application of this product we recommend the use of glasses, rubber gloves and all the IDP scheduled by the current valid norms concerning the use chemical substances.
- Follow the the current valid norms of the country where you are using the product.

Please observe a current EU health and safety data sheet.

**CLEANING:** Clean tools with water immediately after use.

**CONSUMPTION:** Approx. 100 - 120 gr/m<sup>2</sup>.

**PACKAGING:** 2 kg cans.

**STORAGE:** In the original closed package in a cool dry place.

**SHELF LIFE:** 12 months.

#### PRODUCT TECHNICAL DATA

Basis:	Two-component water-based aliphatic polyurethane coating
Colour:	Transparent
Mixing ratio:	100:20 parts of weight
Storage and duration:	12 months in the original closed package in a cool dry place
Danger of harm:	Component A: irritating; Component B: dangerous
Flammability:	No
Density:	1,08 kg/dm <sup>3</sup>
Viscosity:	Approx.. 50 s in a cup DIN of 4 mm
Application temperature:	From + 10° C to + 35° C
Resistance to temperature:	From - 25° C to + 80° C
Consumption:	100-120 gr/m <sup>2</sup>
Pot life:	30 min. at +23°C
Processing time:	30 minutes
Light foot traffic:	3 hours at +23°C
Non-volatile substances (in weight):	45%
Abrasion strength (ASTM D4060):	< 20 mg
VOC content:	3%

**PLEASE NOTE:** The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.