

# RESOLTECH 3000T

## Hardener 3005T

### High gloss epoxy coating

- **Excellent chemical and thermal resistance**
- **Application by brush, roller or spray**
- **High solids content, glossy finish**
- **Easy to use, curing at room temperature**
- **Available in any color according to RAL color chart**



**RESOLTECH 3000T / 3005T** is a paint used to obtain a brilliant finish on different substrates: composite parts, steels, concrete ... (not to use on polystyrene).

On porous substrates, it is recommended to apply two coats of **3010T BLANC / 3014T** primer in order to close the porosities. After sanding with a P120 or P240 grain, dusting and degreasing, the colored and glossy epoxy finish can be made with the **3000T / 3005T** system (any color available according to the RAL color chart). The 3000T / 3005T system provides excellent chemical resistance as well as **good resistance to UV and abrasion**.

This solvent system has a **long pot life** and a **low viscosity** suitable for **roller and spray application**. It is thus possible to prepare large quantities. The product then has a **fast drying time in film**, **good adhesion** and applicability without sagging. Dilution and cleaning of tools is carried out with **DIL 3019**.

**An anti-slip finish** can also be achieved by incorporating the **P112** filler during the last layer. Add 4 to 15% by weight.

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### MIXING RATIO

<b>System</b>	<b>3000T / 3005T</b>
<b>Mixing ratio by weight</b>	100 / 15
<b>Mixing ratio by volume</b>	4 / 1

The mixing ratio must be accurately followed. It is not possible to change the ratio, it would result in lower mechanical properties. The mixture should be thoroughly stirred to ensure full homogeneity.

### APPLICATION

**Degrease and sand** surfaces before application. The substrate must be dry with a temperature > 10°C and at least 3°C above the dew point (refer to DTU 59-3).

**Store products** at a temperature between **20 - 25°C at least 24 hours before utilisation.**

Good ventilation is required when used in confined spaces.

Respect the mixing ratio and **thoroughly homogenize the resin part** before mechanically mixing the two components. **Stir slowly to avoid air incorporation.**

**Application by brush or roller** ; dilution ratio: 10 - 20%

**Pneumatic gun application** ; dilution ratio: 5 - 10% - Pressure: 3 - 4 bar

**Airless application** ; dilution ratio: 0 - 5% - nozzle: 0.35 - 0.5 mm; Angle: 30/60° - Pressure depending on dilution & friction loss

**Recommended Film Thickness per coat:** 125 µm wet - 60 µm dry

**Theoretical coverage:** 7.8 m<sup>2</sup>/L for 60 µm dry

Do not expose the 3000T / 3005T to water, chemicals or mechanical stresses before complete polymerization.

### PHYSICAL CHARACTERISTICS

#### Visual aspect

3000T	:	Colored liquid according to RAL color chart
3005T	:	Amber liquid
Mix	:	Colored thixotropic liquid

#### Density according to ISO 1675 (±0.05 tolerance)

References	3000T	3005T
Density at 23°C	1.42	0.96
Mixed density at 23°C	1.31	

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### REACTIVITY

System	3000T / 3005T
Induction time	30 - 45 min before use
Pot life on 1L at 23°C	10 hours
Solid content by weight	66 ± 2 %
Dust-free film	30 min
Dry film	6 hours
Over-coating time	from 12 hours to 5 days
Hard film	7 days
Light / normal / intense traffic	48 h / 72 h / 7 days

### PACKAGING

Available kits of 3000T / 3005T :

- 1.33 kg : (1+0.33) kg = 0.76 L
- 5.24 kg : (3.94+1.3) kg = 4 L
- 15.72 kg : (11.81+3.91) = 12 L

### TRANSPORT & STORAGE

Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area. Our products are guaranteed in their original packaging (check expiry date stated on the label).

### HEALTH & SECURITY

Skin contact must be avoided by wearing protective nitrile gloves & overalls or other protective clothing. Eye protection should be worn to avoid risk of resin or hardener entering the eyes. If this occurs, flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention. Ensure adequate ventilation in work areas. Respiratory protection should be worn with ABEKP coded filters. RESOLTECH issues full Material Safety Data Sheet for all hazardous products. Please ensure that you have the correct MSDS to hand for the materials you are using before commencing work.

Nota : The data provided in this document are provided good-faith and are based on the test in laboratory and our practical experience and is believed to be accurate. Considering the application of our products gets away from our control, we do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.