



R O B I N H Y D<sup>®</sup>

## HYDROPUR 2Component waterbased polyurethane Topcoat

Technical datasheet  
Update 26/10/2010

<b>DEFINITION</b>	2K Polyurethane topcoat based on a modified acrylic resin recommended for ferrous metals and different alloys exposed to chemical abrasiveness (acid, base oil, salt, solvent, petroleum products) and atmospheric influences.
<b>APPLICATION FIELD</b>	<ul style="list-style-type: none"><li>* Protection and decoration of metallic structures and industrial equipment.</li><li>* Recommended as lining for agricultural machinery, pedestrian bridges,...</li><li>* Can be used as paint for decoration and protection of the floors and walls made of concrete or cement.</li></ul>
<b>PREPARATION OF SURFACES</b>	<ul style="list-style-type: none"><li>* For application on iron structures: degrease, blast or sand-blast. Apply 1 to 3 layers of one of the following primers: Epoxy primer hydro or 2K PU Hydro fond, then apply 1 to 3 layers of HYDROPUR (in function of the desired degree of anticorrosion).</li><li>* Application on galvanized steel, aluminium: Apply Primaire epoxy hydro RAL 7040 L-20069 (40 microns dry) followed by 1 to 3 layers of HYDROPUR.</li><li>* On plastic: immediate application: addition test is recommended.</li><li>* On concrete: dilute the first coat with max. 10% of cellulose thinner, followed by 1 to 3 layers (little or non-diluted).</li></ul> <p>The support has to be prepared according to the rules (consult our technical support)</p>
<b>APPLICATION</b>	<p>Pour component B: hardener 2KPU HYDRO L-18875 in component A (coloured base).</p> <p><b>Proportion CA/CB : 2L CA for 0.53L hardener 2KPU HYDRO L-18875 (other packages on request)</b></p> <p>Mix well. Dilute to application viscosity depending on the used equipment. Let the mix mature for 15 minutes.</p>
<b>ESSENTIAL CHARACTERISTICS</b>	<ul style="list-style-type: none"><li>Dry film aspect : matt, brilliant or semi-gloss</li><li>Dry extract (weight) : <math>59 \pm 1</math> % (46 % in volume)</li><li>Density of the mixture : 1.25</li><li>Viscosity of the mixture at 20°C THIXOTROPE</li><li>Drying at 20°C, 60% HR Dust-free : 2 hours</li><li>and 40 µm dry : Dry : 3 hours</li><li>Pot life at 20°C : 90 minutes</li><li>Theoretical output : <math>(10 \pm 1,0)</math> m<sup>2</sup>/kg at 40 µm dry on flat support and without loss. Drying time can be accelerated by going through the oven at 60°C.</li><li>VOC : component A+ component B=32g/l</li></ul>



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## INDUSTRIE

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APPLICATION	Material	Dilution
	Brush	From 0 to 5 % water
	Roll	
	Pneumatic gun	From 0 to 5% water
	Airless gun	

#### RECOMMANDATIONS

Exterior conditions for application:

- \* Ambient and support temperature must be over 10°C and lower than 35°C.
- \* Support not condensing: the temperature of the support must be at least 3°C higher than dew point.
- \* Relative humidity lower than 75 %

Do not exceed a thickness of 40-50 microns dry to avoid a slowing down of hardening and surface defects.

#### COLOURS

RAL

#### RECOUVREMENT

By itself after 24 hours of drying. Possibility of accelerating the drying process by passing it through the oven for 90 minutes at 60°C after 30 minutes of desolvantation.

#### PACKAGING

Component A : coloured base : 2.00 Ltr  
Component B. hardener PU HYDRO  
L-18875 : 0.530 Ltr

#### CONSERVATION

1 year in original and non-opened package.  
Stock inside a ventilated room with a temperature between + 5°C and + 35°C.

#### HYGIENE AND SECURITY

See corresponding safety data sheet.

**Note: cancel and replaces the former editions. It is up to our customers to check, before application, that it is indeed the last edition. The information contained in this note has only one indicative range and cannot compensate a description suitable with the nature and the state of the funds to be treated.**