

## INTRODUCTION

### Quick notes:

- 1-component coating,
- non-skid achieved via texture,
- provides high thermal insulation.

**PRO-DECK 101** is a 1-component, water based polyurethane compound used to create textured non-skid coatings for decks on recreational crafts. Being highly elastic makes it barefoot friendly. It also provides high thermal insulation.

PRO-DECK 101 is used as part of the PRO-DECK System outlined below.

### PRO-DECK 101 System

Non-skid decking for light foot traffic.  
Application guide.

#### Primer

1x **PRO-PRIME 951**

#### Base layer

1x **PRO-DECK 101**

#### Non-skid layer

1x **PRO-DECK 101**

#### Topcoat (optional)

1x **PU-COAT 101**

## APPLICATION METHOD

Applied using texture roller.

## FEATURES & LIMITATIONS

- One component PU,
- water-based,
- non-skid via texture,
- elastic,
- for light foot traffic, ideal for barefoot,
- UV resistant,

### TECHNICAL DATA SHEET

- high thermal insulation,
- various colours available,
- very easy to repair,
- NOT for commercial boats / heavy traffic.

### PRODUCT DATA

PRO-DECK 101: Properties	
Specific weight <i>ISO 2811, approx., kg/lt</i>	1.6
Viscosity (Brookfield) <i>@ 25 °C, ASTM D2196-86, approx., cP</i>	40,000
Hardness <i>Shore A, ISO R868</i>	70
Elasticity <i>@ 23 °C, ASTM D412, approx. %</i>	300
QUV accelerated weathering test <i>(4hr UV, @ 60 °C UVB, 4hr COND @ 50 °C), 2,000 hours, ASTM G53</i>	passed
Permeability to water vapor	S <sub>D</sub> <5 Class I
Adhesion strength <i>pull-off test, N/mm<sup>2</sup></i>	≥1.5
Abrasion resistance <i>mg</i>	<3,000
Impact resistance <i>N.m</i>	≥4 Class I
Reaction to fire	Euroclass F
V.O.C., g/lt	0
Shelf life <i>(in controlled environment), years</i>	1

### CURING SPEED

Two elements are of interest to us here: Skin creation time and in-depth curing time.

PRO-DECK 101 is fast skinning, i.e. it cures at the surface very quickly. This characteristic property allows for the creation of the non-skid texture. However, in-depth curing is relatively slow, as is typical for one component polyurethanes. Consequently, the working time of the product, once placed on the substrate for application, is very limited but full cure may still take up to 24 hours.

These two times depend on both temperature and humidity and, as is the case with all water-based products, big variations can be expected. Hence, we list our estimates here with great caution.

## TECHNICAL DATA SHEET

PRO-DECK 101: Curing speed	
Skin time, mins	1 - 10
Full cure, hrs	24

Please refer to the **PRO-DECK System application guide** offering practical planning and application guidelines for this system.

## RECOAT AND OVERCOAT TIMES

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**Quick notes:**

Recoat and overcoat after 24 hours.

PRO-DECK 101 should be recoated (base to texture layer, from step 2 to 3) or overcoated (with optional topcoat, step 4) after full cure, i.e. 24 hours.

## CONSUMPTION

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**Quick notes:**

For 2 coats (base + texture layer): 1.5 lt/m<sup>2</sup>.

1.5 lt/m<sup>2</sup> for base and texture layer. Weight addition to deck, after full cure, 1,400 g/m<sup>2</sup>.

## SURFACE PREPARATION & APPLICATION

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Please refer to **PRO-DECK 101 System application guide**.

## REPAIR

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To repair a damaged area, use a manual scraper or planer to cut off the high ends. You do not have to remove all the material. Wash well with soap water and let it dry. Mask are around the limits and apply one coat, the non-skid layer as described in the PRO-DECK 101 System application guide.

## EQUIPMENT CLEANING

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Use water to clean the roll and other equipment.

## TECHNICAL DATA SHEET

### PACKAGING

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750 ml, 2 lt.

### STORAGE & SHELF LIFE

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At least 12 months from the date of manufacture in the original sealed container. The ideal storage temperature is 10-25 °C and normal humidity levels.

### SAFETY

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Apply in well-ventilated spaces. Follow personal safety guidelines including the use of proper mask and protective clothing.

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