

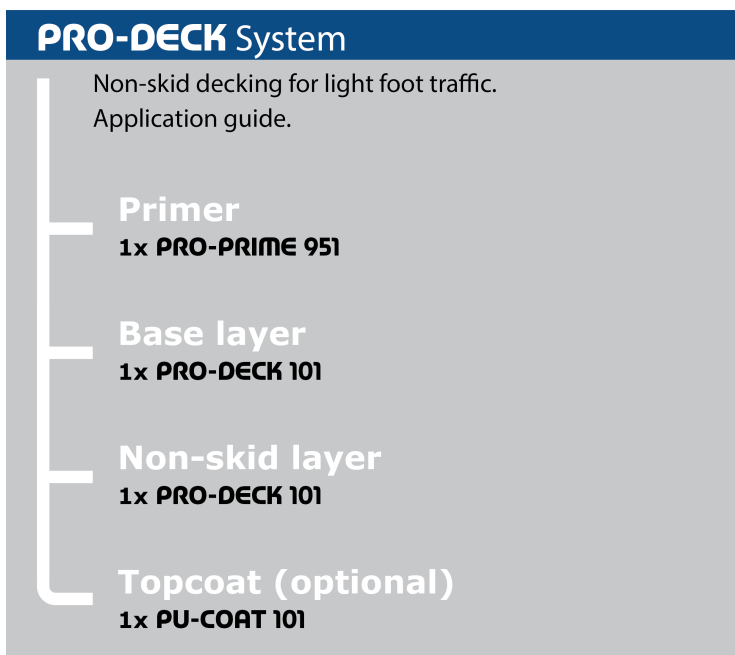
INTRODUCTION

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.



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,
- 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 _D <5 Class I
Adhesion strength <i>pull-off test, N/mm²</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

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

Quick notes:

For 2 coats (base + texture layer): 1.5 lt/m².

1.5 lt/m² for base and texture layer. Weight addition to deck, after full cure, 1,400 g/m².

SURFACE PREPARATION & APPLICATION

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

PACKAGING

750 ml, 2 lt.

STORAGE & SHELF LIFE

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

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

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