

## INTRODUCTION

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### Quick notes:

- Two-component epoxy compound,
- manual or mechanical mixing in container,
- pourable, non-flowing and self-leveling.

**PRO-DECK 901** is a two-component epoxy compound, used to level decks in new builds or restoration projects, typically, replacement of teak decking. It contains a high load of strengthening fillers but it is still sufficiently fluid for easy manual or mechanical mixing in a container. It is pourable and can be spread with a trowel or a long batten using guides to define the alignment. In both cases, it will self-level locally but will not flow away in inclinations of up to 3°. It is flexible enough to accommodate mechanical movements in the underlying structure.

## USE

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- Deck leveling,
- cavity filling in spaces with limited access like hull floors and bilges.

## SUITABLE SUBSTRATES

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- Wood,
- GRP & gelcoat,
- FRP,
- aluminium,
- steel.

## FEATURES

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- Two-component,
- fluid, mixed in container,
- locally self-leveling,
- non-flowing in up to 3° inclinations,
- contains high load of fibrous and non-fibrous reinforcing fillers,
- sufficiently flexible to accommodate mechanical movements of decks,
- good sound dampening and thermal insulation properties.

## PRODUCT DATA

PRO-DECK 901: Properties.	
Application temperature range, °C	15-30
Mix ratio, by volume	2:1
Mix ratio, by weight	2:1
Colour of mixture	light grey
Specific weight of mixture <i>approx., ISO 2811, kg/lt</i>	1.4
Viscosity of mixture <i>Brookfield, approx., ASTM D4287, @ 25 °C, cP</i>	20,000
Solids <i>internal, %</i>	100
Shelf life (in controlled environment) <i>years</i>	2
Packaging, <i>comp. A+B, lt</i>	2.25, 30

## CURING SPEED

PRO-DECK 901: Curing speed.			
	10 °C / 50 °F	20 °C / 68 °F	30 °C / 86 °F
Pot life / working time <i>hrs</i>	2	1	0.5
Earliest removal of guides and trim time <i>hrs</i>	12	5	3
Earliest 'walk on' time / priming without fairing <i>hrs</i>	18	12	8
Working hardness / sandable <i>hrs</i>	40	20	10

## TOOLS AND EQUIPMENT REQUIRED

- Scales, if working by weight, volumetric container or ruler if working by volume,
- mixing container,
- container for cleaning tools and equipment,
- scoop and utensils for dosing and later transferring the mix on the application surface,
- a rigid rod for manual stirring or mixer rod for mechanical mixing,

### TECHNICAL DATA SHEET

- toothed trowel and / or long batten,
- smaller filling battens,
- alignment guides,
- masking tape,
- utility knife,
- cleaning tissue paper,
- EPO-THIN 101,
- personal protection (gloves, mask, glasses).

### SURFACE PREPARATION

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#### Quick notes:

- GRP / FRP / gelcoat: Abrade using 80-180 grit.
- Steel / aluminium: Sandblast or abrade using 24-36 and prime using PRO-PRIME 203.

In the case of deck replacement, ensure that following the removal of the old deck there are no problem areas such as cracks or delaminations, which can cause leaks and weak adhesion, and which must be repaired before proceeding with deck leveling.

The application surface, and especially decks which are subject to heavy traffic by repair crews, requires meticulous cleaning. Abrade and prime as follows,

- GRP / FRP / gelcoat using 80-180 grit and prime using PRO-PRIME 201,
- steel / aluminium using 24-36 (or sandblasting) and prime using PRO-PRIME 203.

Dust removal and cleaning can be done using PRO-CLEAN X or EPO-THIN 101. We do not recommend washing the deck as water may be trapped in microcracks and pores.

Place the alignment guides, if required, and limit the area of application using a wide masking tape.

### APPLICATION

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Only begin when you are certain that everything is ready for application. Transfer to the mixing container the required volumes or weights from part A and B according to specification. Use manual and / or mechanical mixing to produce a uniform colour and consistency. Ensure you do not leave unmixed parts at the bottom and sides of the container.

Use the scoop or simply pour the mix out of the container on to the deck or application area and use the trowel or batten to spread it and align it.

# PRO-DECK 901

DECK LEVELING EPOXY COMPOUND



## TECHNICAL DATA SHEET

The removal of the alignment guides and any trimming required at the limits of the application area, can be done once the compound has cured sufficiently but is still soft enough to be cut using a utility blade (see "Earliest removal of guides and trim time" in the curing speed table above). Accordingly, make a cut on either side of the guides before removing them and also trim around the limits of the application area and remove the masking tapes.

## PACKAGING

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- 2.25 lt (1.5 + 0.75),
- 30 lt (20 + 10).

## STORAGE & SHELF LIFE

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Two years from the date of manufacture in its original sealed container. Store away from excessive heat and humidity.

## SAFETY

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Use personal protection. Avoid any physical contact with the uncured substance. Do not breathe fumes produced during mixing and application.

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