

INTRODUCTION

Quick notes:

- Two-component, pourable, deck bedding epoxy adhesive,
- use Fast below 20 °C, Slow above 20 °C.

PRO-BOND 201 is a two-component epoxy adhesive, mainly used in deck and panel installation applications. It contains a high load of strengthening fillers but it is still sufficiently fluid for manual or mechanical mixing in a container, pourable and trowelable. It is offered in two curing speeds.

USE

- Teak deck bedding,
- panel bonding.

SUITABLE SUBSTRATES

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

FEATURES

- Two-component,
- contains high load of fibrous and non-fibrous reinforcing fillers,
- contains humidity barring flake fillers,
- offers high impregnation of the substrate,
- sufficiently flexible to accommodate mechanical movements of decks,
- good sound dampening and thermal insulation properties,
- also suitable for vacuum bagging.

TECHNICAL DATA SHEET

PRODUCT DATA

PRO-BOND 201: Pre-cure properties.		
	Fast	Slow
Application temperature range, °C	5-25	15-30
Mix ratio, by volume	2:1	
Mix ratio, by weight	100:60	
Colour of mixture	light beige	
Specific weight of mixture <i>approx., ISO 2811</i>	1.4 kg/lt	
Viscosity of mixture <i>Brookfield, approx., ASTM D4287, @ 25 °C</i>	28,000 cP	
Solids <i>internal</i>		100 %
Shelf life (in controlled environment) <i>years</i>		2
Packaging, <i>comp. A+B, lt</i>		2.25, 30

PRO-BOND 201: Post-cure properties.	
Hardness <i>Shore D, ISO R868</i>	40
Max elongation <i>Approx., EN-ISO-527-3, @ 23 °C</i>	120 %
Tensile strength at break <i>EN-ISO-527-3, @ 23 °C</i>	35 N/mm ²

CURING SPEED

PRO-BOND 201 Fast: Curing speed.			
	10 °C / 50 °F	20 °C / 68 °F	30 °C / 86 °F
Pot life / working time / bonding window <i>hrs</i>	2	1	0.5
Earliest de-mold / de-clamp time <i>hrs</i>	18	12	8
Working hardness / sandable <i>hrs</i>	40	20	10

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When choosing between Fast and Slow, remember that within the working time, other than completing the application, you also need time to clean all your equipment. Also, once you have mixed the two parts, the larger the volume and the more time it is left in the container, the more exotherm develops (i.e. the temperature of the mix rises) and the working time reduces.

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,
- toothed trowel,
- smaller filling battens,
- masking tape,
- cleaning tissue paper,
- EPO-THIN 101,
- personal protection (gloves, mask, glasses).

SURFACE PREPARATION

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 installing the new deck.

PRO-BOND 201 can fill imperfections and small local depressions in the deck profile. Should the deck require extensive leveling work, use **PRO-DECK 901**.

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

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

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Remove dust and clean using PRO-CLEAN X or EPO-THIN 101. We do not recommend washing the deck as water may be trapped in microcracks and pores.

Limit the area of application using masking tape as some of the compound will be forced out of the sides when pressure is applied.

APPLICATION

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 to spread it. Place the prefabricated deck or panel and gradually apply pressure while making sure alignment is maintained.

The masking tapes have to be removed once curing has reached a stage where the adhesive is at a tack free stage but still malleable.

CONSUMPTION

1 lt / m².

PACKAGING

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

STORAGE & SHELF LIFE

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

SAFETY

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

PRO-BOND 201

EPOXY ADHESIVE FOR DECKING APPLICATIONS



TECHNICAL DATA SHEET

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