

APPLICATION GUIDE

INTRODUCTION

The system consists of 4 layers:

1. 1x PRO-PRIME 951, adhesion promoter, applied using foam roller.
2. 1x PRO-DECK 101, base coat, applied using texture roller.
3. 1x PRO-DECK 101, texture coat, applied using texture roller.
4. 1x PU-COAT 101, clearcoat toughener, applied using brush.

TOOLS & EQUIPMENT

Personal protection:

- Reusable gloves,
- eye protection,
- dust mask.

Surface preparation:

- Tools and equipment for 180 grit fairing,
- PRO-CLEAN X substrate and tool cleaner,
- paper roll / dry cloths,
- multi-day masking tape, various widths,
- cover for protection of newly applied surfaces from dust.

Application:

- Scoop,
- foam roller,
- texture roller, medium & large widths, ideally 2 of each,
- spray bottle (for water),
- brush,
- volume measuring cups,
- disposable paper cups.

Cleaning:

- Water supply,
- tubs / bucket for cleaning rollers.

PLANNING

PRO-DECK 101 is really simple to apply. Just take a scoop and spread it out (step 2 & 3 above). Its characteristic property is that it skins very quickly. This allows for the creation of the non-skid texture.

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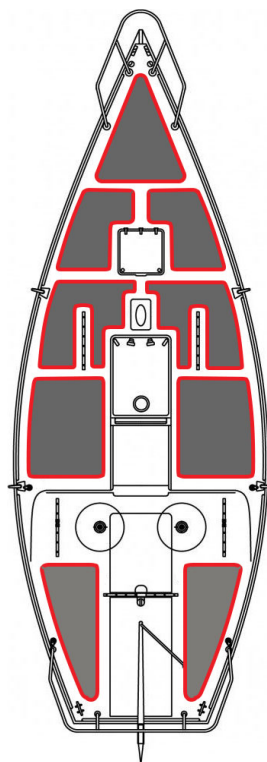
While a highly desirable property, it also limits the working time. Therefore, careful planning and preparation is required when applying on large deck areas.

Specifically, short working time means that the application area must be segmented. The size of each segment must be such that:

- We can apply over the whole area within the working time, and
- it is accessible at arm's length (no stepping on application area for 24 hours, for all steps above).

This is key to producing both the base layer (step 2) and a uniform texture (step 3). Once we are past the working time and skinning sets in, then lumps appear and the product is no longer workable.

Below is an example of deck segmentation. Note that all segments must be well defined, well positioned and symmetrical in order to achieve the desired cosmetic end result. Rounded corners look better and are also more durable.



SURFACE PREPARATION

The substrate must be faired at 180 grit or even lower. We advise defining the segments with a first set of the widest tape, e.g. 5 cm, and then fairing, taking care, as much as possible, not to damage the tape. Clean the segments using compressed air / dry cloths / PRO-CLEAN X / water. Replace damaged tape and on top of it, apply a second narrower set of tapes. If at the edges of the segments there are fittings or

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vertical sides, cover them too as when applying PRO-DECK 101 we often have to roll over the tapes in order to get a uniform layer. Finally, if required, set the covers ready for protection from dust.

STEP 1: PRIMER

PRO-PRIME 951 is a 1:1 epoxy primer. If during surface prep you chose to wash the segments and you suspect that they may still be somewhat humid, you may still proceed, PRO-PRIME 951 water-based.

Apply one very thin coat using a foam roller.

As with all water-based primers, the overcoat time can vary significantly (from 30 mins to a few hours) depending on temperature and humidity. Continue with step 2, as soon as PRO-PRIME 951 is touch dry and within 24 hours.

Clean tools and equipment with water.

STEP 2: BASE LAYER

Applying a base layer is highly recommended. It gives the final coating more thickness and, hence, makes it more elastic, user friendly and tougher. It also improves coverage and thermal insulation.

PRO-DECK 101 is applied using the texture roller. The wider the roll, the more uniform will the result be and quicker the application. However, in constrained segments, e.g. around deck fittings, a medium width roller may be more appropriate.

To apply the base layer, place small scoops on the segment and roll in all directions using the texture roller in order to get uniform coverage. At first you will notice long streaked texture in some parts (too much product) and small specs in other (not enough). Roll the product from the former to the latter and then decide whether you need to add more scoops. Roll well past the inside edge on the tape in order have good coverage at the edges too (this is why we propose the use of wide tapes).

The aim at this step is to have an even base layer. Do not concern yourselves about the texture. As soon as you have total and uniform coverage of the segment, spray a few mists of water in order for the texture to subside (the non-skid texture is created in step 3). Do not attempt to roll after that.

After 30-60 minutes, slowly remove the top set of tapes.

The roller will need to be washed and dried after 1-3 segments before reusing. This is why we recommend having two of each size.

To move to step 3, the base layer has to be sufficiently dry throughout its depth. We recommend waiting for at least 3 hours. Max overcoat time 36 hours.

Clean tools and equipment with water.

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STEP 3: NON-SKID LAYER

Replace the top set of tapes which were removed in the previous step.

Apply PRO-DECK 101 as in the previous step without spraying. Once you have a uniform layer, you need to finalize the texture. For best results, roll at a constant speed using light pressure. We draw your attention to the following two points.

1. You will notice that as you continue rolling, within minutes, if not seconds, the texture becomes more and more pronounced as the product begins to skin. This will continue up to a point, after which the texture will become irregular and eventually lumpy. For convenience, we will call this point the '**stop roll point**'. We recommend running a couple of tests on cardboard before application in order to become familiar with recognizing when to stop.
2. For all segments, we make sure that the final roll passes are all in the same direction, usually towards the stern. This makes the end result more uniform.

Remove the top set of tapes after about 10 minutes and cover the segment if there is dust in the workplace.

Change to a washed dry roller after 1-3 segments.

Proceed with step 4 the following day.

Clean tools and equipment with water.

HINTS

- Issue: Texture has long fat streaks.
Suggestion: - Too much product > Spread it out and / or remove some.
- Too much pressure on roll > Use light pressure, constant speed.
- Issue: Texture is too dense, not aggressive enough.
Suggestion: - Make sure you are not past the 'stop roll point' > Recognize when to stop.
- Too little product > Add some more, spread it out, even out the layer and restart the texture.

STEP 4: CLEARCOAT

Apply one **very thin** layer of PU-COAT 101 using a brush. Brush in all directions in order to make sure that the texture is fully wetted. If the clearcoat fills the low spots up, you are using too much product and you need to spread it out more thinly. The coat should be hardly visible.

Remove all tapes immediately and cover the segment if there is dust in the workplace.

Clean tools and equipment with PRO-CLEAN X.

Allow 24 hours before stepping on deck.

PRO-DECK System

ELASTIC NON-SLIP DECKING COMPOUND

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