



DESCRIPTION

PACTOTop PU is a two part, UV stable, high quality acrylic polyurethane deck coating system specially formulated to be chemical resistant.

TYPICAL USES

PACTOTop PU can be applied on variety of surfaces including concrete, steel and fully cured epoxies. It is recommended in areas requiring chemical resistance, protection against UV rays and areas exposed to aggressive environment such as car park decks, marine structures, battery rooms, pharmaceutical units, textile industry, poultry farms, electronics manufacturing units, etc.

ADVANTAGES

- UV stable
- Can be applied on fully cured epoxies
- Excellent wear resistance
- Resistance to a wide range of chemicals
- Smooth seamless even finish
- Available in transparent and pigmented versions

TECHNICAL DATA (TYPICAL PROPERTIES @ 25°C)

PROPERTY	TEST METHOD	VALUE
Part A		Base
Part B		Hardener
Mixed Form		Liquid
Colour		Various colours available
Mixed Density	ASTM D1475	1.00 kg/ltr +/- 0.02 (Clear & Matt) 1.30 kg/ltr +/- 0.02 (Pigmented)
Pot Life		3 hrs +/- 0.5 (Clear & Matt) 60 mins +/- 10 (Pigmented)
Surface Dry		5-6 hrs (Clear & Matt) 3-4 hrs (Pigmented)
Recoat Time 8-24 hrs		8-24 hrs
Application Temperature		±5°C to +40°C
Chemical Resistance	ASTM D543	Resistant to various chemicals like mild acids, alkalis, fuels, grease, petrol, etc
Bond Strength	ASTM D4541	Greater than tensile strength of concrete
Service Temperature		+5°C to +70°C

APPLICATION

SURFACE PREPARATION

The surface should be sound, dry and free from all contaminants. Appropriate surface preparation equipments such as shotblast, scarifier or grinder must be used to obtain sound substrate. Steel surfaces should be gritblasted to base metal. Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to gritblasting. Cracks, pinholes, potholes, etc. should be repaired with epoxy putty PACTOTop EBM200. Uneven concrete should be levelled to produce a roughened flat surface. Undulated floors can be levelled /repaired using PACTOTop ES or PACTOTop SL10 prior to application of **PACTOTop PU**. New concrete floors must be at least 28 days old prior to application. Moisture content of concrete floor must be less than 5%. Expansion, control & isolation joints in concrete should be carried through **PACTOTop PU** floors and filled with a suitable sealant from the Pactotop seal range. Fully cured old epoxy floor surfaces should be cleaned thoroughly using an appropriate solvent.

PRIMING

Prepared surface should be primed with **PACTOTop PU** Primer or **PACTOTop PU** (clear). The primer should be brushed into the substrate using a stiff brush or roller and allowed to dry (minimum 12-16 hrs) before the application **PACTOTop PU**. In case of extremely porous substrates, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat. The primer coat needs to be to completely dry before applying **PACTOTop PU**. If the surface is damp, it is preferred to use **PACTOTop PU** as primer coat which cures with the inherent moisture and will not adversely affect the adhesion of the topcoat.

MIXING

PACTOTop PU is supplied in two containers as pre-measured units. Stir base and hardener component separately. Using a slow speed drill machine fitted with a paddle, mix both the components for at least 3 minutes to obtain a uniform mix. Part mixing should be avoided.



APPLICATION

PACTOTop PU, once mixed, should be used within the working pot life. Apply the material with a suitable squeegee, stiff nylon brush, or roller working the **PACTOTop PU** into the surface to ensure total absorption. Minimum of two coats should be applied to achieve desired result. The second coat should be applied at right angles to the first to get the desired dry film thickness. For application by airless spray, use a 45:1 or a higher ratio pump, minimum 9 mm dia hoses and HD tip 19- 23 thou. Airless spray will provide faster rate of application.

EQUIPMENT CLEANING

Clean all equipments and tools with PAC Cleaner immediately after use.

LIMITATIONS

At higher temperatures pot life will be reduced. For working in cold climates (<5°C) **PACTOTop PU** containers need to be kept in a hot water bath.

COVERAGE

PACTOTop PU (Clear): 9-11 m²/ltr/coat at 100 microns wft (50 microns dft)

PACTOTop PU (Pigmented): 5-7m²/ltr/coat at 180 microns wft (100 microns dft)

Actual consumption depends on texture and porosity of substrate.

PACKAGING

PACTOTop PU (Clear) is supplied in 6, 10 and 15 litre units.

PACTOTop PU (Pigmented) is supplied in 5, 10 and 15 litre units.

STORAGE AND SHELF LIFE

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH AND SAFETY

PPE's: Gloves, goggles & suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

Hazard: Regarded as hazardous for transportation.

Disposal: Do not reuse containers. To be disposed off as per local rules and regulations.

For additional Information please refer to our MSDS, available on request.



P.O. Box no 282 676 Dubai-UAE
Tel: +971 4 885 0 886
Fax: +971 4 885 0 887
Visit us: www.pactechnologies.ae

Important Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. PAC Technologies shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional Information contact your local PAC Technologies representative.

REV. 2 - May 2018