



## Decktect PU System

### Flexible Surface Membrane

#### DESCRIPTION

Decktect PU System is a flexible, totally impervious polyurethane membrane, which provides a hard wearing, low maintenance, waterproof finish.

#### USES

Decktect Base Coat and Decktect Top Coat are part of the Decktect PU System, which is installed as an internal waterproofing system. An anti-slip pack can be added to the Decktect PU Top Coat should enhanced slip resistance be required.

#### ADVANTAGES

- **Flexible** Accommodates normal substrate movement without cracking
- **Durable** Good abrasion resistance
- **Anti-slip** Enhanced slip-resistance can be achieved
- **Hard Wearing** Long standing references

#### PHYSICAL PROPERTIES – DECKTECT PU BASE COAT

<b>Elongation</b>	540%	<b>Specific gravity</b>	1.2
<b>Tensile strength</b>	8 N/mm <sup>2</sup>	<b>Overcoat Period</b>	12-24 hours
<b>Pot life</b>	90 mins		

#### PHYSICAL PROPERTIES – DECKTECT PU TOP COAT

<b>Elongation</b>	100%	<b>Overcoat Time</b>	12-24 hours
<b>Pot life</b>	70 mins	<b>Tensile Strength</b>	4.5 N/mm <sup>2</sup>
<b>Specific gravity</b>	1.75		

#### COLOURS

Decktect PU Top Coat is available in Light Grey, Dark Grey, Mid Green, Arctic Blue and Tile Red.

#### TEMPERATURE

Decktect PU system should not be applied at temperatures below 13° C and above 30° C.

#### INSTRUCTIONS FOR USE

##### SURFACE PREPARATION – CONCRETE

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH before applying the Decktect PU system. Should the reading be above 75% RH please refer to the Technical Services Department for further information. All substrates should be sound and free from contamination with oil, grease and other matter.

Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate. It may be possible to prepare lightly contaminated areas by treatment with an industrial degreaser. Laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp.

## STEEL

When applying to steelwork the surface should be cleaned to a bright metal finish by either grinding or shotblasting to S.A. 2.5. A two pack epoxy zinc primer should then be used prior to the application of the Decktect PU system.

## PRIMING

Prepared concrete substrates to be topped with the Decktect PU system should be primed with two coats of primer. Mix the primer in the proportions as supplied by adding the entire contents of the hardener container to the base container. Once mixed, the primer should be applied immediately as a thin continuous film using stiff brushes or rollers and left to cure. Over application and puddles should be avoided. The second coat of primer should be applied at right angles to the first. Aggregate should be broadcast over the surface immediately to provide a key and left to cure and become tack free prior to the application of Decktect. If the substrate is giving a reading of 75% RH or above the primer should be Conren's WD Aquatect water vapour suppressant primer.

## MIXING AND APPLICATION – DECKTECT PU BASE COAT

Decktect PU Base Coat is a two pack product supplied in pre-weighed units ready for on site use. Mechanical mixing is essential and a drill and paddle type mixer is recommended. Add the entire contents of the hardener container to the base container and mix for 3-4 minutes using a slow speed drill fitted with a suitable mixing paddle until the mixture is homogeneous. The Decktect PU Base Coat should then be poured onto the primed substrate and spread to the required thickness using a serrated steel trowel. It is essential to spread the material in a uniform, even application without over-working. The Decktect PU Base Coat may be rolled with a spiked nylon roller after application to aid the release of any entrapped air and to assist in leveling any slight trowel marks. The Decktect PU Base Coat should be left for a maximum of 24 hours before application of Decktect PU Top Coat.

## MIXING AND APPLICATION – DECKTECT PU TOP COAT

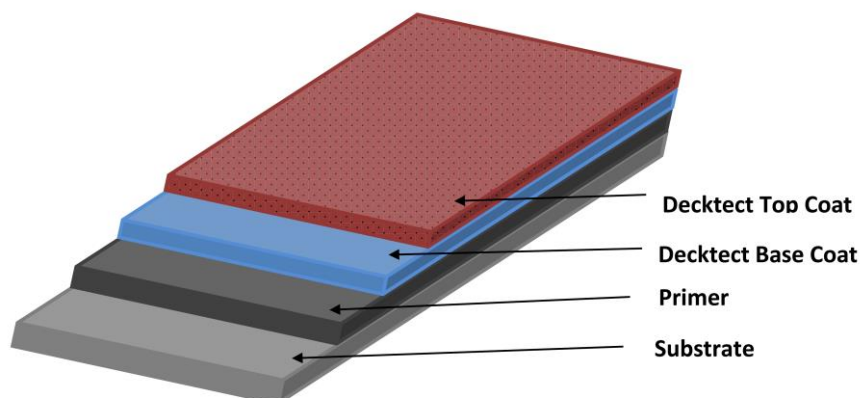
Decktect PU Top Coat is a two pack product supplied in pre-weighed units ready for on site use. If an anti-slip finish is required a separate aggregate pack will be needed. Mechanical mixing is essential and a drill and paddle type mixer is recommended. Add the entire contents of the hardener container to the base container and mix for 3-4 minutes using a slow speed drill fitted with a suitable mixing paddle until the mixture is homogeneous. The Decktect PU Top Coat should then be poured onto the Decktect PU Base Coat and spread to the required thickness using a squeegee. It is essential to spread the material in a uniform, even application without over-working. The Decktect PU Top Coat should then be rolled with a spiked nylon roller after application to aid the release of any entrapped air and to assist in leveling.

## ANTI-SLIP

Broadcast a heavy even scatter of aggregate at a rate of 0.5kg per m<sup>2</sup>. We would recommend a mixture of 16's and 20's grade aggregate.

## CHEMICAL RESISTANCE & UV STABILITY

For very aggressive chemicals or where there is a need for a UV stable top coat, a single coat of Enamelcoat UV can be installed onto the Decktect Top Coat. Please refer to the Enamelcoat UV datasheet for further information.



## COVERAGE AND PACK SIZES

<b>DECKTECT PU BASE COAT</b>	
<b>Pack Size kg</b> 25kg	<b>Approx. Coverage</b> 25m <sup>2</sup> @ 1mm thickness
<b>DECKTECT PU TOP COAT</b>	
<b>Pack Size kg</b> 17kg	<b>Approx. Coverage</b> 0.7kg m <sup>2</sup>
<b>ANTI-SLIP</b>	
<b>Aggregate Required Per Decktect PU Top Coat Unit</b>	
<b>Pack Size kg</b> *8.5kg	<b>Approx. Coverage</b> 0.25kg m <sup>2</sup>
*DKI Quartz 0.7 – 1.2mm	

### DISPOSAL

All tools and equipment should be cleaned with Conren Solvent cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

### STORAGE

Decktect has a shelf life of 12 months if stored in original containers between 10° C and 25° C.

### PRECAUTIONS

For further information on our precautions please see the MSDS.

#### Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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