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Supadeck LD

Interior / Exterior Polyurethane Non-Slip Floor coating system

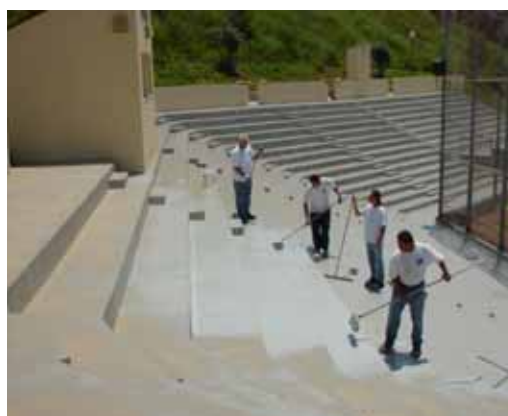
PRODUCT DESCRIPTION

Supadeck LD is a polyurethane deck coating system with good wear and UV resistance. It is used to protect concrete and to provide slip resistance.

TYPICAL USES

For use on concrete where a tough, hardwearing, UV stable slip resistant coating is required. Typical applications may include the following:

- Concrete decks
- Stadium walkways and seating / Bleachers.
- Producing concrete that is sealed against stains in public areas.
- Colour differentiation.
- Car parks
- Driveways
- Eating areas to prevent staining / slips
- Non-slip floors.



FEATURES AND BENEFITS

- Seamless – no joints other than existing in the concrete.
- UV resistant
- Chemical, stain & heat resistant
- 1mm thick
- Versatile application
- Any colour.
- No odour, Zero VOC system optionally available

Durability

- Very good all round resistance and concrete protection.
- UV stable
- Slip resistant

LIMITATIONS

1. Supadeck LD protects concrete from moisture ingress but it is not a full waterproofing system.
2. Waterproofing of concrete is by prevention of water and chloride saturation of concrete. This will protect the reinforcing steel.
3. However it has very limited ability to bridge moving or developing cracks.
4. Use MD or WD systems for more waterproofing and flexibility.

SPECIFICATION

CONCRETE How to Specify

“The concrete shall be prepared correctly as per the Nuplex Supadeck LD data and smooth with K125 if appropriate. The system shall be Supascreed primer, and Supadeck UV Topcoat as supplied by Nuplex Construction Products and as applied to the specific application by roller technique described in Nuplex’s written instructions.”

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This document is a technical data information sheet. The description of the product or products and the properties of the product or products contained in this document is for the sole purpose of identifying the product or products and describing their property or properties and does not constitute a warranty that the product or its properties shall conform to that description; nor is the description of the product and/or its properties a warranty by NUPLEX that the goods are suitable for a particular purpose.

Concrete Specifications

New Concrete

Shall have a surface which has been formed without defects. An average slab moisture content less than 18% or 75% RH. A surface free of cement laitance or other contaminants and any roughly screeded or floated patches or areas. No traces of cure membranes or release agents.

OLD concrete

Shall be inspected, shotblasted and approved for overcoating.

All cracks must be identified during surface preparation.

SURFACE PREPARATION__IMPORTANT:

- All points and high points will be ground flat.
- Concrete is dry.
- All concrete is shotblasted or diamond ground.
- Rough surfaces can be filled prior to the installation of the Supadeck LD by using Nuplex K125.
- Ensure all corners are round radiused.
- Cracks will be treated as advised by the engineer.
May be fibreglassed over Joint-safe tape. All resin/ glassed areas must be heavily sanded and acetone wiped to ensure adhesion.
- Ensure all surfaces are smooth and no sharp angles or protrusions exist.
- Upstands will be fiber-glassed. All resin/ glassed areas must be heavily sanded and acetone wiped to ensure adhesion.

IMPORTANT: All surfaces will then be shot blasted to achieve a profile that will achieve Supadeck LD adhesion. Small areas may be coarse diamond cup ground

INSTALLATION

The system consists of 3 sections

1. Surface abrasion - above
2. Primer / Resin coat (with broadcast non-slip aggregate)
3. UV Topcoat

Neatly mask out all areas not covered by the proposed work. Accurately weigh and primer in the correct proportions in a separate container.

Prime the prepared concrete surface with a coat at 4 m²/lt of mixed Supascreed Primer including the water. (see data sheet).

Always mix in full kits or by weight. Mix well with power drill mixer

Roll onto the surface and commence placement of the broadcast aggregate.

Non-Slip application: While wet evenly distribute by broadcast K20s aggregate.

Allow to tack free to a walkable state.

NB The whiteness in the Supascreed primer must be gone.

Areas that have been primed should be overcoated within 12 hrs; please plan accordingly.

Topcoat application

Neatly mask out all areas not covered by the proposed work. Accurately weigh and mix Supadeck UV topcoat resin and Hardener in the correct proportions in a separate container.

Prime the prepared concrete surface with a coat at 5m²/lt of mixed Supadeck UV topcoat resin. The mix ratio of this primer is 100:10.6

Supadeck UV topcoat mix:

Supadeck UV topcoat Resin (as above)	8 kg
Supadeck UV topcoat hardener (as above)	0.848 Kg

Always mix in full kits or by weight.

Mix well with power drill mixer

Roll onto the surface to achieve an even finish. Avoid applying in full sun so that a wet-edge can be maintained to achieve an even finish.

Applying in the mid – late morning will allow a good cure before a falling temperature may form condensation on the surface and possible marking.

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Supadeck System summary

	Mix ratio	Application rate	Cure Time	Recoat time	Drive on time
Supascreed Primer	Whole kits (9lt mixed)	4m ² /Lt	4-6hrs When clear & walkable	4hrs	-
Supadeck UV Topcoat	100:10.6	3-4m ² /Lt	2hrs	1hr	3 hours
UV topcoat: Pack is 8 kg resin & 0.848 kg hardener					

Warranty:

Two years against premature weathering or wear. Impact damage and excessive physical abrasion is excluded.

See Supadeck demonstration video on Youtube:

www.youtube/watch?v=blegR6zQfxs

Or search ' Supadeck' on Youtube

OPTIONAL:

If solvent odours are a problem, SUPDECK TF Topcoat may be used.