

### DESCRIPTION

Supadeck HD (heavy duty) is a flexible, coloured, polyurethane deck coating which provides a watertight, durable and UV resistance wear surface for interior and exterior high traffic areas.

Supadeck HD will protect concrete from water and chemical ingress, can provide a safe slip resistance surface and can be applied utilising different colours to aid traffic flow, provide demarcation and increase aesthetics.

### TYPICAL USES

- Concrete car park decks
- Plant rooms
- Slip resistant interior & exterior stairs, walkways and ramps.
- Coloured, sealed concrete loading and unloading zones.
- Decorative concrete used for children's playgrounds and public areas.
- Exterior sports courts.

### FEATURES & BENEFITS

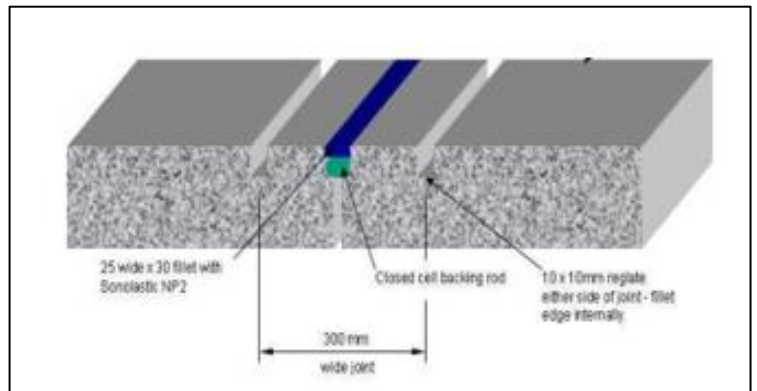
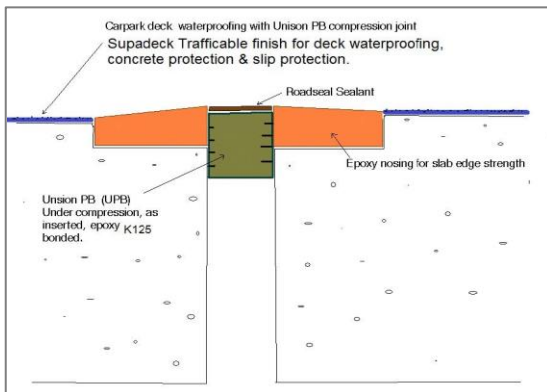
- Seamless – no joints other than existing in the concrete.
- Durable - excellent mechanical properties.
- Chemical - stain & heat resistant
- Dry Film Thickness - 3 -5mm
- Multilayer - easy application
- Flexible – crack bridging.
- Reduces “squealing” of car tyres
- Colourfast - UV stable
- Slip Resistant Surface profile
- Waterproofs and protects the concrete; see limitations below.
- Colours – available in a limited colour range in factory batch quantities.
- On site colouring by tints or oxide

### LIMITATIONS

- Supadeck HD fully seals and waterproofs the concrete surface preventing water and chloride ingress therefore protecting reinforcing steel.
- Supadeck HD has limited ability to bridge moving or developing cracks.
- All cracks will require specific treatments; crack bandaging, crack control systems; e.g. Unison UPB or turning into surface joints.
- Concrete cracking beneath a Supadeck HD may result in through reflective surface cracking exposing the concrete to liquid ingress

## Example Traffic Deck Joint / Crack Control

NB: Please refer to both Allnex and the building engineer for full details on the treatment of specialist movement joints and /or crack control.



## SUPADECK HD SYSTEM

Component	Size	Application Rate	Cure Time	Recoat Time	In Service Time
Supascreed Primer	6.4 Ltr Boxed Kit Add 2.4ltr Water	5m <sup>2</sup> /Lt	4hrs	4hrs	-
Supadeck B1 Flexible Membrane	Resin Part A 13Lt (17.55kg) Hardener Part B 4Lt (3.9 Kgs)	1.5m <sup>2</sup> /Lt	2-4hrs	4hrs	-
Supadeck B1 Wear Layer	Resin Part A 13Lt (17.55kg) Hardener Part B 4Lt (3.9 Kgs)	1.5m <sup>2</sup> /Lt	2-4hrs	4hrs	-
Broadcast Non-Slip Aggregate	As designed e.g. 18/36 + Aluminium Oxide Blend	4kg per m <sup>2</sup>	-	-	-
Supadeck UV Topcoat	Resin Part A 8kg Hardener Part B 0.9kg	5m <sup>2</sup> /Lt	2hrs	1hr	3 hours
OPTIONAL: NO ODOUR Supadeck TF Topcoat.		2.5m <sup>2</sup> /Lt	2hrs	1hr	3 hours

## Supadeck HD system requirements based on 1000m<sup>2</sup> Concrete Deck (Example)

Component	Size	
Supascreed Primer	6.4 Ltr Boxed Kit Add 2.4ltr Water	25 kits
Supadeck B1 Flexible Membrane	Resin Part A 13Lt (17.55kg) Hardener Part B 4Lt (3.9 kgs)	40 kits
Supadeck B1 Wear Layer	Resin Part A 13Lt (17.55 kg) Hardener Part B 4Lt (3.9 kgs)	40 kits
Broadcast Non-Slip Aggregate	As designed 20kg bag e.g. 18/36 + Aluminium Oxide Blend	200 bags
Supadeck UV Topcoat	Resin Part A 8ltr (8kg) Hardener Part B 1 ltr (0.9kg)	25kits

Note

This example is an estimate only and does not allow for wastage or surface variation

## SUPADECK HD PERFORMANCE DATA

Properties	Values
Minimum Thickness	3mm
Minimum Application Temperature: Air	+5°C
Maximum Application Relative Humidity: Air	85%
Adhesion to correctly prepared substrate	1.5MPa minimum – Concrete Failure
Co-efficient of expansion 10- /mm/m/°C	-2.23
Compressive Strength	Nom. 93MPa
Flexural strength	25Mpa
Tensile strength	6N/mm <sup>2</sup>
Moisture absorption: ASTM D570-63	0.04%
Weight per m <sup>2</sup>	6mm - 12.88kgs    8mm - 17.18kgs
Slip resistance	As designed

### INSTALLATION

Refer to Full Allnex Supadeck HD specification for preparation and installation instructions.

### WARRANTY

Allnex will assure that all products incorporated into this system have been manufactured to allnex quality specifications and GMP procedures.

Allnex will also assure that when correctly applied the system will meet the critical requirements of AS/NZS 1838-1994.

However, given that allnex has no control over the substrate, the application environment and the application process all warranties are supplied by the installation contractor and backed by our agreement with them.

The flooring contractor shall provide a warranty for a period of;

The warranty period commences from the date of practical completion.

Warranty exclusions, include sharp impact damage from falling heavy objects, scrapping /gouging the surface from item movement and the surface slip texture.

Damaged areas must be repaired immediately to ensure continuity of the Warranty

<b>MAINTENANCE</b>	Ease of repair is a major advantage with allnex Supadeck HD flooring. Damaged areas are cut out and patched level using new materials quickly and with little disruption.
<b>CLEANING</b>	See Separate Technical Data <a href="http://www.allnexconstruction.com">www.allnexconstruction.com</a>
<b>HEALTH &amp; SAFETY:</b>	Refer safety data sheets ( <i>SDS</i> ). Wear appropriate safety equipment and clothing The use of fans to provide positive forced air draft and/or extraction is recommended. Avoid skin contact.

This advice is given in good faith, for further advice or information do not hesitate to contact the allnex technical team.

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**Replaces: November 2019**

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