

DECKFLOOR SL4

Solvent-free flow applied epoxy based floor toppings

DESCRIPTION

DECKFLOOR SL4 is a four component, solvent free, epoxy resin, selfsmoothing, heavy duty, chemical resistant, impact and abrasion resistant flooring system. it provides excellent mechanical and chemical resistance is available in aesthetically pleasing colours.

TYPICAL USES

DECKFLOOR SL4 may be used in industrial and commercial situations to provide long lasting finishes in particular where an impervious, abrasion resistant and easy to clean floor is required. DECKFLOOR SL4 is designed for use in abrasion or impact loading situations.

TYPICAL USE

DECKFLOOR SL4 are designed to be used in a variety of situations, such as:

- Warehousing
- Food production, for example dairies, bakeries, fruit/vegetable processing and canning plants
- Beverage production and bottling facilities
- Medical and Pharmaceutical factories, for example in production areas and laboratories
- Engineering, production and maintenance areas
- Showrooms and demonstration areas

ADVANTAGES

- Resistant to a range of acids, alkalis and Industrial chemicals
- Solvent free, non toxic
- Will not support the growth of bacteria, fungi and micro-organism
- Seamless
- Impact and abrasion resistant
- Fast application, minimizes downtime
- Phenol free, can be used in food processing industry
- Available in a range of colours to provide an attractive, light reflective floor

PROPERTIES

Typical results	@ 20°C
Compressive strength (BS 6319)	40±5 N/mm ² @ 7 days
Flexural strength (BS 6319)	25±5 N/mm ² @ 7 days
Exposure times Foot traffic	48 hrs
Vehicular Traffic	7 days
Chemicals	7 days
Pot Life @ 25°C	40 - 60 minutes
Typical system thickness	
Dckfloor SL2	2mm
Deckfloor SL4	4mm

CHEMICAL RESISTANCE CHART

15% Lactic Acid	Very good
10% Citric Acid	Very good
50% Phosphoric Acid	Very good
Concentrated bleach	Very good
Saturated Urea Solution	Very good
White spirit	Very good
Oils	Very good
Petrol	Very good
Diesel	Very good
Greases	Very good
10% Ammonia	Very good
50% Hydrochloric acid	Good
50% Sulphuric acid	Good
10% Nitric acid	Good
Saturated sugar solution	Good
Xylene	Good
Caustic Soda	Good

Notes:

DECKFLOOR SL4 should not be subjected to chemicals until fully cured (min 7 days @ 30°C)

. If chemical spillage occurs then immediately remove the spillage and wash down with water to prevent any attack or discolouration

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of DECKFLOOR SL4 .

Grit blasting is recommended to ensure the removal of all laitance, grease and oil. The resultant surface should be dry and dust free. Cracked and damaged areas must be made good with appropriate repair materials.

PRIMING

The prepared surface should be primed with DECKPRIME 30 or DECKPRIME MT The contents of the curing agent should be emptied into the base component and stirred with a spatula until the product appears uniform.

The mixed primer should then be applied to the prepared substrate by a roller at 0.1 - 0.2 litre/m².

If the primer appears to be absorbed into the surface easily, it will be necessary to apply a second coat once the initial coat is tack-free. Alternatively, you may apply one coat of DECKCOAT 30 at 0.3 - 0.5 litre/m². Please refer to DECKCOAT 30 TDS.

It is essential that the primer is tack-free prior to the application of the topping. The application of DECKFLOOR SL4 or SL4 should commence between 8-24 hours after priming. If this period is exceeded, then the surface of the primer should be lightly abraded before re-application of a fresh priming coat.

Mixing



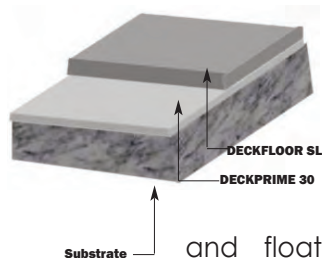
DECKFLOOR SL4 & SL4 are supplied in a three component kit consisting of a base component, a curing agent and a bag of graded filler. Both of the liquid components should be briefly stirred to ensure

that any settlement products are fully suspended.

Empty the entire contents of the curing agent and the base component into a 25 litre metal container with straight sides, sturdy enough to withstand the mixing action. To ensure that all material is extracted, the insides of the tins should be scraped.



The curing agent and base component should then be mixed with a low speed, heavy-duty electric drill and a spiral mixing paddle for at least two minutes and until the material appears uniform. The aggregate is slowly added to the resin whilst mixing and the mixing operation continues for a further 5 minutes.



Application

A quantity of the mixed product should be poured onto the tack free primed surface and floated with a steel trowel to produce a seamless surface.

DECKFLOOR SL4 can be laid at a thickness range of between 2 - 3mm and DECKFLOOR SL2 between 3 - 5mm.

The material should be poured IMMEDIATELY.

PACKAGING AND YIELD

Both grades of material are supplied as three part systems with the following coverage rates.

DECKFLOOR SL2 15 litres @ 2mm 0.60 m²/litre

DECKFLOOR SL4 15 litres @ 4mm 0.30 m²/litre.

DECK PRIME 30 1 AND 4 liters @ 5 M2/liter

APPLICATION TEMPERATURE RANGE

Minimum 5°C

Maximum 35°C

STORAGE AND SHELF LIFE

When stored in a cool environment, in original

unopened containers, the material has a shelf life of 12 months.

HEALTH AND SAFETY

Contact with skin and eyes should be avoided. It is essential that adequate ventilation is provided and all personnel should avoid inhaling the vapours produced. If working is necessary in a confined area it is strongly recommended that sealed respiratory equipment is utilised.

Eye Contact rinse with copious amounts of clean water and seek medical attention.

Skin Contact rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

DO NOT USE SOLVENTS

Ingestion seek immediate medical attention.

DO NOT INDUCE VOMITING

FLAMMABILITY

DECKFLOOR SL4 and DECKPRIME 30 are non-flammable.

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