

DECK CRS

Concrete Resurfacing System

INTRODUCTION

DECK CRS is spray on cementitious based polymer modified two part system designed for concrete restoration, protection and resurfacing. It is stable against sunlight and thus can be applied to external areas like driveways, pavement and car parks. DECK CRS can sustain atmospheric conditions with no change in its physical properties and provide long lasting protection. It has excellent compressive, tensile and flexural strength. DECK CRS with its excellent abrasion resistance, textured slip resistance and decorative surfaces serves as ideal surface for Car Park floors.

KEY FEATURES

- Transforms plain concrete surfaces to an aesthetically pleasing and abrasion resistant one.
- DECK CRS thickness is approximately 2-3 mm creating minimal impact on floor design loading and existing floor levels.
- Easy application for large or small areas.
- Service life expectancy is more than 10 years, dependent upon the abrasion to which the surface is subjected.

TECHNICAL DATA

Dry density		1800	Kg/ cu.m.
Mixing ratio	Deck CRS	30	Kg
	Deck Flex	3.75	Kg or Ltr
	Water	3.75	Kg or Ltr
Coverage (in 2-3 coats)		3.5 - 4.0	Kg/ sq.m.
Pot life		20-30	min
Cure time		7	days
Bond strength		>3	N/mm ²
Compressive strength	7 Days	35.0	N/mm ²
	14 Days	38.5	N/mm ²
	28 Days	41.5	N/mm ²

Coefficient of friction	0.8
Abrasion index	0.1

APPLICATION PROCEDURE

Surface preparation

1. All surfaces must be clean, sound and free of dust, moisture, oils and grease or other surface contaminants such as paints, curing membranes and release agents etc. Concrete surfaces must be acid washed, water blasted; grit blasted or mechanically scabbled depending on surface conditions.
2. The strength of the concrete or mortar substrate should be a minimum of 20 N/mm². The prepared substrate should be thoroughly dry before applying the DECK CRS system.
3. **Warning:** Do not apply over soft, chalky or dusty concrete.

Mixing

4. Do not mix by hand. Use a mortar stirrer with an electric drill. Mix at slow Speed (400 to 500rpm)
5. Add 3.75 Kg of water and 3.75 Kg of Deck Flex to an empty pail and briefly mix the liquids.
6. Slowly add Deck CRS while continually mixing until a homogeneous thoroughly mixed slurry is obtained.

Placement

7. Apply Deck Flex primer (Deck Flex: Water:: 1:2) on to the concrete surface using brush or roller and let it dry thoroughly.
8. Deck CRS (mixed slurry) must be applied under pneumatic using a HOPPER GUN (Graco) and 90 cfm capacity compressor as per standard methodology suggested by manufacturer.
9. Apply the base coat of uniform texture and allow it to dry.
10. Apply the second coat and allow it to dry. Make design pattern using suitable masking.
11. Apply final coat if required for uniformity of the texture/ design.
12. Remove pattern stencils and use mechanical blower to clean off the area.

13. Allow the coating to cure for 24 hours.
14. Apply DECK SEALER or DECK Floor PU over the system as the case may be. Refer to the respective technical data sheets for more details regarding application procedure.

DO'S AND DON'TS

1. Do not spray if ambient temperature is greater than 38°C or rain is forecasted
2. Do not apply on loose, oily or dusty surface
3. Protect the coating from rain/water contact for 24 hours from application
4. Do not apply more than 2 Kg/ sq.m. in single coat
5. DECK CRS is self-curing system no separate curing process is required.

PACKAGING

Deck CRS Powder Component - 30 Kg Sack

Deck Flex Liquid Component – 10 Kg or 20 Kg Pail

STORAGE

Deck CRS must be stored in the original sealed packaging under cool and dry conditions. It must be protected from exposure to moisture or water. Shelf life is 6 months from the date of manufacturing.

HEALTH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow. Avoid contact with food or cooking utensils and keep away from children's reach. If splashed on to cloth or any other

PRODUCT DISCLAIMER

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.