

LEAFSEAL F210

A TWO COMPONENT WATER BASED EPOXY COATING

PRODUCT DESCRIPTION

LeafSeal F210 is a high performance developed 2 component, water based epoxy coating waterproofing to provide an easily cleaned surface, which is resistant to many common oils and liquids, with excellent adhesion to concrete and cement/sand screeds. Particularly suitable for wall/floor applications in garages, warehouses, light industry, kitchens and other areas subject to light vehicle and pedestrian traffic.

USES

Recommended as the waterproof for the water feature such as aquarium tanks, septic tank, civil waste water tanks, water tanks, fire water tanks...etc.

FEATURES AND BENEFITS

Used for many different areas in light industry such as floors bearing loads from trolleys, light forklifts, car parking lots, including laboratories, industrial floors in the electrical and electronics industry, radio rooms. disinfection, automated assembly rooms and rooms requiring cleanliness, aircraft hangars, pharmaceutical plants, paper mills, oil refineries or other industrial sectors requiring chemical resistance.

- Seamless, monolithic application
- Hygienic, easy to clean
- High chemical resistance to wide range of chemicals
- Hard wearing floors finish
- Product applied to form a dust free, joint less, semi-gloss finishing and available in a wide range of attractive colors

SUBSTRATE PREPARATION

Substrate concrete or screed should be a minimum of compressive strength 25MPa

and adhesive pull-off strength of minimum 1.5MPa. The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hollows should be properly remedied.

PRIMING

Please refer to LeafSeal F200.

COLOR

RAL K5 Classic Color Chart.

FINISHING

Semi-Gloss.

MIXING

Stir Part A mix for 30 seconds by using a suitable electrical stirrer (with 750 watt High power mixer), then add all of Parts B (Hardener) and mix both liquid parts thoroughly for 2 minute until it fully achieved a homogeneous.

Mixing ratio by weight

Part A : Part B = 4 : 1

INSTALLATION

- LeafSeal F210 must be applied in 2 coats.
- Product can be applied to prepared surface, using brush or short/medium pile roller.
- After application primer LeafSeal F200 to the surface, allow to dry for 12-24 hours before applying LeafSeal F210 coating to the surface After the first

layer of construction, within 12-24 hours, the second layer should be constructed

TEMPERATURE CONDITIONS OF INSTALLATION

- Do not apply when the relative humidity exceeds 80% RH
- Do not apply temperatures below 5°C and temperatures above 40°C

CLEANING

Clean all tools and equipment immediately with water after use.

MAINTENANCE AND CARE AFTER CURE

We recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent

Curing time:	15°C	25°C	32°C
Human Traffic	24 hours	20 hours	18 hours
Light Traffic	36 hours	30 hours	24 hours
Fully chemicals cure	10 days	7 days	7 days

PACKAGING

Pack size: 20kg/ set (Part A 16Kg, Part B 4Kg).

STORAGE & SHELF LIFE

- LeafSeal F210 should be stored in a covered area protected against sunlight and UV radiation.
- 12 months if kept in proper storage area follow instructions.

TECHNICAL DATA

Property	Typical Value
Colour	RAL K5 Classic
Number of Coats	2 (Minimum)
Chemical resistance to concentrations (10% NaCl, 10% NaOH) Grease resistant Acid Resistance (5% H2SO4)	Good
Bond strength ASTM D7234	>1.5 Mpa (Concrete failure)
Abrasion resistance ASTM D4060	< 100 mg/1000 round (Cs 10)
Water resistance 3 bar for 72 hours (BS EN 12390)	Impermeable
Mixing ratio	4 : 1 by weight
Recoating time (28°C)	within 12 to 24 hours
Packing Size	20 kg
Shelf life & storage (unopened and in good conditions temperature 5°C to 30°C)	12 months
Material consumption (mixed)	4 m ² /kg/coat for water tank, septic tank

USER NOTES

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with LeafSeal's instructions and in applications for which they are intended.

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