

Talrakflortop CS 510

Polymer Cementitious screed for Industrial Floors and Parking lots



The Construction Alchemists

Description

Talrakflortop CS 510 is a two component prepacked high performance polymer modified cement based mortar with high abrasion, impact and skid resistance and is ideal for industrial floorings and car parks.

Features & Benefits

- Repairs and resurfacing of old and worn concrete floors, roads, bridges, runways, etc.
- Patching and repairing of damaged concrete surfaces.
- Topping for new concrete floors to increase the skid and wear resistance.
- Suitable for interior and exterior application, e.g. Warehouses, car parks & driveways, bus bays, concrete roads, docks, etc.
- Repair and re-surfacing to damaged concrete staircases.
- As water, skid and wear resistant over lays to suit open, enclosed and basement car park, multi-storey car parks, driveway and ramp, especially to descending and ascending ramps.
- Protective screed for industrial floors in high wearing areas to architects' specification.
- As a repair patch over exposed concrete floor, slab and tile surfaces.
- Underlayment for resin floor toppings and coatings.

Advantages

- Excellent adhesion to concrete.
- Excellent abrasion & impact resistance.
- Good waterproofing properties.
- Can be used as underlayment self levelling floor tops and coatings

Technical properties

Curing characteristics

Type of Evaluation	Testing Method	Specification Requirement
Compressive Strength	ASTM C109M:02	>35 2 N/mm
Flexural Strength	ASTM C348:02	8 N/mm ²
Tensile Strength	ASTM C307:03	> 5 N/mm ²
UV accelerated weathering A) 500 hrs B) 1000 hrs	ASTM 154:00ae1	No cracking, softening or delamination after exposure
Skid Resistance	ASTM E303:2003	At least 55 BPN (wet condition)

Taber Abrasion (H22 Wheel)	ASTM D4060:01	Shall not exceed 1.5g weight loss per 1000 cycles.
Shear Bond Adhesion	ASTM C482:02	> 2 N/mm ²
Water Penetration 2 (@0.4kgf/cm (bar)for 6 hrs) 2 (@0.4kgf/cm (bar)for 6 hrs)	DIN 1048:Part 5:91	Penetration depth Shall not exceed 5mm
Identification of polymer	FTIR	Shall not contain any trace or element of polyvinyl acetates (PVA)

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Application Instructions

Substrate Preparation

- Clean the surfaces and remove any dust, oil, grease or other contaminants.
- Defective and unsound substrate has to be removed and repaired prior to application of Talrakflortop® CS 510.
- Existing substrate expansion joint is to be continued through the new topping and any movement joint.
- Smooth and compact surfaces must be roughened by mechanical means.

Priming

Prime the substrate using Talrakpolybond SB (For more information, please contact local representative).

Application

- Pour Talrakflortop® CS 510 Part B (liquid) into a 20 litres pail and slowly add Part A (dry mix), stirring with a low speed drill until a homogenous lump-free mixture is obtained. Avoid entrapping air during mixing.
- The consistency of mixed mortar allows application of 3-5 mm in thickness for each layer. Apply Talrakflortop® CS 510 onto moist surface with trowel or float.
- For anti-skid surfaces, brooming to desired texture may be done shortly after initial set.

Curing

- Dry curing is essential to Talrakflortop CS 510 .
- Where rapid drying conditions exist, such as high temperature, direct sunlight and strong wind, Talrakflortop CS 510 must be protected by polythene sheet to reduce water loss.

Talrakflortop[®] CS 510

Coverage

Approximately 5m² at 3mm thickness per pack.

Packing

Talrakflortop CS 510 Part

A : 25kg bag

Talrakflortop CS 510 Part

B : 5 litre can

Shelf Life

1 year from the date of manufacture if stored in unopened original packing in dry, frost free condition.

Health & Safety

Limitation

- Do not apply Talrakflortop CS 510 at temperatures below +10°C and above +40°C
- Applied thickness is limited to 3mm - 5mm
- Do not use Talrakflortop CS 510 to repair moving cracks or existing concrete expansion joints

Precautions

- Avoid eye and unnecessary skin contact, as the product is Alkaline
- Avoid inhalation of dust during mixing
- Gloves, goggles and dust mask should be worn
- Wash thoroughly after handling
- In case of eye contact, flush with plenty of clean water
- Seek medical help



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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Important note :

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