

Talrakflortop® EUL

High strength self-levelling epoxy underlay



The Construction Alchemists

Description

Talrakflortop® EUL consists of special resins and graded aggregates formulated to withstand chemical attack and impact stresses. The product is supplied as a 3 component system comprising resin base, resin hardener and fillers. When correctly laid Talrakflortop® EUL will provide a surface ready to receive applications of other Talrak flooring systems.

Features & Benefits

- Cost effective
- High strength
- Quick and easy to lay
- Seamless
- Durable

Primary Application

Provides an economical method of leveling floors prior to laying epoxy screed, toppings or coatings such as

- Florkote EPS
- Talrakflortop SLE

Technical properties

The following properties of mixed material represent average values achieved in the laboratory. The practical values, on site may slightly vary.

Specific gravity @27°C	1.850
Pot life @27°C	70 - 90 mins.
Compressive strength (BS 6319 part 2, 1983)	70 MPa @ 7 days
Tensile strength (BS 6319 part 7, 1983)	12 MPa @ 7 days
Flexural strength (BS 6319 part 3, 1983)	25 MPa @ 7 days
Adhesion	Greater than the tensile Strength of concrete
Water absorption (BS 1881 Part 122, 1983)	Nil
Over coating time	After 16 - 24 hours (depending upon ambient atmospheric humidity & temperature)
Full cure	7 days

Application Instructions

Surface Preparation

It is essential that Talrakflortop® EUL is applied to sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system. All dust and debris should be removed prior to application of the product.

New concrete floors

Should be at least 21 days old with a maximum moisture content not exceeding 5%. Laitance deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing or grinding.

Old concrete floors

Mechanical cleaning methods are strongly recommended on old concrete floors particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters into the concrete. To ensure adhesion, all contamination should be removed by the use of a proprietary chemical de-greaser.

Priming

All surfaces to be treated with Talrakflortop EUL should be primed with Talrakepoprime LV, a solvent based epoxy resin primer designed as a floor sealer and a bond enhancer to the concrete substrates.

Refer Technical datasheet of Talrakepoprime LV for more details.

Mixing

It is important that Talrakflortop® EUL is mixed correctly. Suitable mixing equipment must be used, such equipment being defined as either a heavy duty variable speed drill and mixing paddle or forced action mixers such as Crete angle or similar.

Empty the entire contents of the resin hardener component into the can containing the resin base component and mix until homogeneous. Place the mixed resin components into the mixing vessel and while mixing slowly add the fillers. Mixing of all components shall continue for a further 3-5 minutes, until such time that a homogenous mix is achieved.

Application

The mixed Talrakflortop® EUL should be spread to uniform thickness on the prepared surface using either a squeegee or a notched trowel. The subsequent use of a spiked roller, eliminates air entrainment.

Note:

- The mixed material must be applied within the pot life (see "Technical Properties"). After this time unused material should be discarded.
- Overcoating of the Talrakflortop® EUL with any other Talrak floor system should not start until the Talrakflortop EUL is at least 16 hours old, but not later than 48 hours.
- Expansion joints in the existing substrate should be continued through the Talrakflortop® EUL and any subsequent topping, and filled to the required level with a suitable sealant - contact Talrak office for further details.

Cleaning

All tools and equipment should be cleaned immediately after use with Talrasol GP. Hardened material can only be removed mechanically.

Estimating Packaging

Talrakflortop® EUL	25 kg pack
Talrasol GP	5 & 20 litre can
Talrakepoprime LV	1.11 & 4.44 kg combo packs

Coverage

Talrakflortop® EUL : 6.8 m² / 25kg pack @ 2mm
(for ideal flooring)

Talrakepoprime LV : 5 - 6 m² /kg

Note: The coverage figures given are theoretical. Due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced. Typically, an additional 10% should be allowed for surface irregularities and wastage although this will vary with site conditions.

Precautions

Health and safety

Talrakflortop® EUL and Talrasol GP should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and a barrier cream should be used. Ensure adequate ventilation and if working in enclosed areas use suitable breathing apparatus. If mixed resin comes into contact with the skin, it must be removed before it hardens with a resin removing cream followed by washing with soap and water. Do not use solvent. Talrasol GP should be washed from the skin immediately with soap and water. Should accidental eye contamination occur with any of the above products, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

Fire

Talrasol GP is flammable. Do not expose to naked flames or other sources of ignition. No smoking during use. Containers should be tightly sealed when not in use. In the event of a fire, extinguish with a CO₂ or foam type extinguisher.

Flash points

Talrasol GP : 33°C

Storage

Talrakflortop® EUL has a shelf life of 12 months when stored in a dry place below 35°C in its original, unopened packs. If stored at high temperature, the shelf will be reduced. Store away from the sources of heat & naked flames.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

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Important note :

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Ref : TCC/TDS/IFI4 - R2