

Resigrout EF

High strength epoxy resin free flow grouts



The Construction Alchemists

Description

Resigrout EF is an epoxy resin grout. The product is specially designed for grouting of gap widths of 10 to 65mm between concrete and metal surfaces, concrete - concrete surfaces or any other minerals substrates. Resigrout EF is supplied in a dual combo pack of pre-weighed base, hardener and filler which facilitates ease of mixing on site.

Features & Benefits

- Resistant to various kinds of loads
- Low creep characteristics under sustained loading
- Non-shrink and hence ensures complete surface contact bond and under resistance.
- High compressive, tensile and flexural strengths
- Fast, convenient installation with early strength gain
- Withstands a wide range of chemicals

Primary Application

Resigrout EF is used as a free flow grout used for the under plate grouting of heavy dynamic or static loads. The narrow spaces between a base plate and substrate will need to be filled in applications such as heavy crane, railways and high speed turbines and centrifuges and narrow grouting spaces. Also for use in conditions where chemical spillage may be encountered. Typical situations could be met in steel works, refineries, electroplating works and chemical plants and where their buildings are required.

Specification Clause

The grouting material shall be epoxy resin based, non-shrink, free flow grout- Resigrout EF supplied by Talrak. It shall provide good general chemical resistance, and a 7 day tensile strength not less than 15 MPa and flexural strength which exceeds 25MPa.

Technical properties

Pot Life : 20 min. @ 30°C

Density : ~ 1998 kg/m³

Tensile strength : 15 MPa @ 7 days

Flexural strength : 30 MPa @ 7 days

Compressive Strength

Age	24hrs	3days	7days
Min.Comp. Strength (MPa)	55	65	95

Application Instruction

Foundation surface

The surface to be applied should be free from oil, grease, free standing water or any loosely adherent material. Concrete surfaces should be cut back to a sound base. Use Rendercem® range of repair mortars to repair the damaged concrete surfaces. All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

Steel surfaces

All steel surfaces should be shot blasted free of rust and flaky mill scale. Cleaned surfaces may be coated by the application of Talrakepoprime LV.

Formwork

The form work should be constructed to be leakproof as Resigrout EF is free flowing grout. Loss of grout during the application due to lose form work will result in incomplete filling of the gap.

For free flow grout conditions it is essential to provide a hydrostatic head of grout. To achieve this a feeding hopper system should be used.

Mixing

Pour all the contents of the hardener packs into the base container. Mix using a slow speed power mixer until homogenous.

Pour all the resultant liquid into a container with a capacity of 15 - 20 litres. Add all the filler provided for each product. Mix using a slow speed power mixer for 2 minutes or until a uniform colour is achieved in the grout.

Placing

The mixed grout should be poured steadily from one side] only to eliminate the entrapped air. Continuous grout flow is essential. Sufficient grout must be available prior to starting. Time taken to pour a batch should be regulated to the time taken to prepare the next batch.

Flow characteristics

The maximum distance of flow is governed by the gap thickness, the head of grout applied and ambient temperature. The following table gives typical data for flow design.

°C	Gap Thickness (mm)	Hydrostatic Head (mm)	Max Flow (mm)
5	35	100	900
20	35	100	2000

Resigrout EF

Cleaning

All tools and equipment should be cleaned immediately after use with Talrasol GP.

Limitations

Temperature

During application

For all products except Resigrout EF, grouting may be carried out without special precautions at ambient temperatures from 5o to 30°C.

Estimating

Packaging

Resigrout EF is supplied in 8 ltr combo pack Talrakepoprime LV is supplied in 1 & 4ltr packs Talrasol GP is supplied in 5 & 20 ltr cans

Storage

Resigrout EUF has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety instructions

Resigrout EUF should not come into 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 barrier creams should therefore be used while handling the product. Adequate ventilation should be ensured and if working is enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - solvent should not be used. Talrasol GP should be washed from skin immediately with soap and water. Should accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should not be induced.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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