



## Three-component High Strength, Non-Shrink, Flowable, Epoxy Grout For Use as Foundation Grout, Baseplate Fixing or Pourable Repair Material

### General

**SS - StructoGrout EP** is a three-component, non-shrink, high strength, flowable epoxy resin grout for casting foundations, as a medium for fixing base-plates or as a flowable reinstatement mortar. Due to its special formulation and additives, it has low viscosity and good flow properties, allowing it to be mixed with well graded silica aggregate.

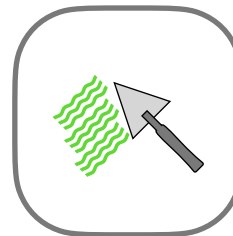
Since it is solvent free, it is ideal for application in a variety of conditions, including but not limited to sensitive areas such as electrical / electronic rooms, precision machinery & healthcare facilities. **SS - StructoGrout EP** can be used to formulate flowable grouts, to thixotropic repair mortars to floor screeds on site [By varying Filler ratio].

**SS - StructoGrout EP** is free from organic solvents and is low in VOC. It has excellent adhesion to concrete, steel and masonry. **SS - StructoGrout EP** does not show appreciable change in volume on hardening (i.e. no expansion or shrinkage).

The material develops excellent compressive, flexural and tensile properties. **SS - StructoGrout EP** can be mixed with up to 8 parts by weight of well graded, clean, dry silica based aggregate for preparation of various types of technical mortars.

### Product Features

- Good Flow Properties
- Easy to mix and apply
- Quick Strength Gain
- Highly Fillable in Ratios of 1:2 to 1:8 with Clean Graded Silica Sand
- Can be used to make grout, thixotropic mortar, or epoxy floor screeds
- Good adhesion to concrete, masonry and metals
- Develops Very good compressive and tensile strength
- No appreciable volume change (expansion / shrinkage)
- Solvent Free, Low VOC

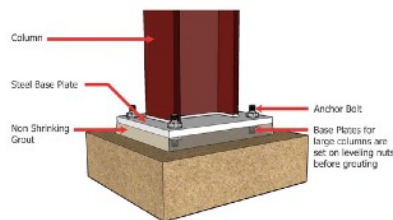


Concrete  
Repair



### Areas of Application

- Foundation Grouts for Heavy Machinery
- Thixotropic Repair Mortars in Marine or Chemically stressed Areas
- To fill in honeycombed areas / voids and damaged pockets in concrete
- Fixing of heavy machinery baseplates
- Epoxy Screeds for Floor Leveling or Floor Repairs
- Chemical / Abrasion / Impact resistant Linings



### Areas of Application

#### Specification Keywords

Low viscosity epoxy grout with high flow, solvent free, highly fillable, structural strengthening, structural repair, waterproofing, flooring, non-shrink, high strength, quick hardening

#### Delivered As

Resin, Hardener and filler

#### Storage Instructions

In Original Packing. In a cool dry place.

#### Shelf Life

12 Months from date of Manufacture.

#### Post Use

Use Complete Packs, Dispose packaging according to local regulations.

#### Packing Size

25 kg, 5 kg

**Assess Build Chem Private Limited**



## Hazards and Safety



## Technical Data

<b>Fill Ratios</b>	1 part Epoxy Mixture to 2 parts of clean graded silica sand / filler [ <b>SS - StructoGrout EP Filler</b> ]
<b>Sp. Gravity</b>	2.00 ± 0.05 [for mixed technical mortar]
<b>Compressive Strength</b>	Depends on Filling Ratio; For example: For 1:2 Mix Ratio > ~ 60 N/mm <sup>2</sup>
<b>Tensile Strength</b>	Depends on Filling Ratio
<b>Mixing Ratio [Epoxy]</b>	Variable depending on hardening time requirements. Please ask us for advice.
<b>Pot Life</b>	~ 45 minutes at room temperature, sets in 12 to 15 hours and cures in about 48 hours

## Instructions for Use

Always test with a 24-hour cure time to determine consumption, ease of application and desired results. Surface temperature should be > 10°C. The substrate must be clean, dry and free from all loose particles, dust, oil and other materials having a separating effect. For use, mix the resin component thoroughly and then add the hardener. Mix The two components thoroughly using a slow rotating electric drill and paddle until homogeneous.

Empty the mixture is into a clean container and mix again to ensure homogenous mixing of the material. Once epoxy is mixed, add the graded silica sand and mix until homogenous in about 3 to 5 minutes. Only mix sufficient quantities for use within the pot life. The material can be applied by pouring [as grout] or by trowel.

Ensure the surfaces are clean and dry [moisture content < 6%] before application for best results. In case an additional bonding coat is needed, use the **SS - StructoGrout EP** without the filler, by applying it to the prepared substrate. Allow the prepared and applied grout to set for 12-16 hours prior to use and allow to cure for atleast 48 hours before pressing the element into use.

## Safety and Precautions

- Take safety precautions at all times. Always wear protective goggles, safety shoes, masks and gloves.
- If inhaled, move immediately, to fresh air. In case of skin or eye contact, flush immediately with water for 15 minutes. Remove contaminated clothing and shoes and call a physician.
- Clean up promptly after job is complete. Clean equipment with suitable cleaner [ask us for recommendations] and allow to dry in a well-ventilated area. Allow rags etc. to dry in a well-ventilated area out of the reach of children and pets. Local, state and federal regulations should be consulted for proper disposal procedures.
- Higher temperatures considerably shorten the pot life. The material should not be left in direct sunlight. Keep tins closed when not in use to prevent unnecessary evaporation. On return to work the material should be thoroughly re-mixed. Material should not be applied at temperatures under +10°C or over 85% relative humidity, or when cracks are full of standing water.