



## Technical Data Sheet

### Ecogrout EP350TM High Strength Epoxy Transition Mortar

#### Description

**Ecogrout EP350TM** is a three component, high strength, epoxy especially formulated and designed for use as a transition strip between expansion joints and bridge decks.

#### Advantages

- Provide an impermeable layer with good resistance to abrasion
- Non-shrink and low creep characteristics under continuous loading.
- High compressive, flexural, and tensile strengths.
- Good chemical resistance.
- Excellent adhesion to concrete, asphalt, and steel surfaces
- Withstand dynamic movement

#### Technical properties

| Property:                                                    |                                 |
|--------------------------------------------------------------|---------------------------------|
| <b>Compressive Strength<br/>BS 6319 part 2:1983</b>          | $\geq 40\text{N/mm}^2$ @ 7days  |
| <b>Flexural strength:<br/>BS 6319:part 3:1990 @<br/>25°C</b> | $\geq 15\text{ N/mm}^2$ @ 7days |
| <b>Fresh wet density:</b>                                    | 2.00±0.05                       |
| <b>Tensile strength:<br/>BS 6319:part 7:1985 @<br/>25°C</b>  | $\geq 5\text{ N/mm}^2$ @ 7days  |
| <b>Bond strength:</b>                                        | >2.0MPa(Concrete F )            |
| <b>Foot traffic</b>                                          | 24 hours @25C                   |
| <b>Full cure</b>                                             | 7 days @ 25C                    |
| <b>Potlife @25C</b>                                          | 40 min                          |

#### Method of use

##### Surface preparation

- The Substrate should be sound, clean, and free from contamination. Surface laitance should be removed by scrubbing or grit blasting.
- Steel surfaces should be grit blasted to remove all rust and scale.
- Concrete surfaces should be dry.
- Holes drilled for anchor bolts should be thoroughly cleaned from dust and loose debris using suitable brush or compressed air.

#### Priming

No priming required

#### Mixing

- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- The entire content of the Hardener pack should be added to the Base pack.  
Care should be taken to ensure that the bottom and the product sides are thoroughly scraped and used.  
Mix the two components for 2 minutes.
- The filler should be gradually added while mixing.  
Mixing should continue for 3 minutes or until a uniform consistency obtained.

#### Placing and Finishing

Enough material should be available to achieve a continuous fill and to complete the work.

**Ecogrout EP350TM** should be applied by first tamping, followed by troweling using steel float.

#### Storage

6 months when stored properly in unopened original containers in dry conditions at temperature between 10 - 35°C.

Once the packaging has been opened, the useful life of the material is greatly reduced and it should be used as soon as possible

#### Notes:

If application is done under high temperatures, care should be done because the working time will be reduced significantly.

To reduce the effect of this problem, try to store the unmixed materials in a cool environment, avoiding the direct sunlight. Also, try not to make the application in the middle of the day or direct sunlight.

#### Cleaning

Used materials should be removed from tools, equipment and mixers with Envirocon Solvent immediately after use.

Hardened material can only be removed mechanically.

#### Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



## Technical Data Sheet

### **EcogROUT EP350TM** High Strength Epoxy Transition Mortar

#### **Packaging**

**EcogROUT EP350TM** is available in 20kg(10L)/ Kit

#### **Cautions**

##### **Health and safety**

Avoid skin and eye contact by wearing overalls, gloves, goggles, and air-mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water.

Avoid inhalation of vapors and paint mist by wearing suitable air-mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.

Smoking in the area should not be permitted. Local safety regulations should be followed.

E n v i r o c o n C o n s t r u c t i o n P r o d u c t s L L C



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