

Estop BJ Transitional Strip

Epoxy Based Bridge Expansion Joint Nosing Compound

Description

Estop BJ Transitional Strip is an epoxy based nosing compound, supplied in a pack comprising of three components of base, hardener and selected grade of aggregate.

It is developed to provide extended maintenance free life nosing, which combines rapid curing property with exceptional flexibility and resilience, capable of absorbing continual traffic impact.

Estop BJ Transitional Strip has been tested by SIRIM BHD in accordance to ASTM C942:1999, on Compressive Strength Test and complied with the specification in this data sheet.

Uses

Estop BJ Transitional Strip is use in forming armoured nosing for 'load bearing' bridge joints system, for gap not exceeding 65mm in width in medium span bridge decks and other elevated structures.

It is especially for

- As nosing to bridge expansion joints
- The construction of Transitional Strips between asphalt wearing surfaces and high movement bridge expansion joint system
- Airport runway
- Air field lighting

Advantages

- Maintenance free
- Absorbs impact loads
- Resistant to most chemical including de-icing salt
- Excellent adhesion to concrete or steel surface
- Recommended for use in conjunction with 'load bearing' bridge joint system and open or seal gap bridge joint system

Standards Compliance

- **BS 6319**
- **BS 5075**
- **ASTM C942:1999**

Physical Properties

Components Part A Part B Part C	Three Base Hardener Filler
Colour	Black
Setting Time at 30°C, BS 5075	30 – 45 mins
Density (kg/litre)	1.63 – 1.77
Curing Time at 30°C Initial cure Final cure	24 hours 7 days
Compressive strength at (N/mm ²), ASTM C942:1999 1 day 7 days 14 days	25 60 70
Flexural Strength at 30°C (N/mm ²), BS 6319 7 days	30
Tensile Strength (N/mm ²), BS 6319 7 days	15
Shrinkage on curing	Negligible
Chemical Resistance to Occasional Spillage Fuel oil Alcohol Alkali Mineral Acid 10% Organic Acid	Resistant Resistant Resistant Resistant Fair

Application Instructions

Preparation

Prepare concrete surface by scrubbing, wire brushing and blow out loose dust with dry, oil free compressed air. Wet joints should be dry up by means of gas blowtorch.

Placing of Formwork

Formwork must be set up to the correct joint width and secured in position over the line of the joint.

Priming Coat

Estop Primer E11 shall be used. Mix the part A and part B of the primer in a clean container and stir thoroughly until the mixture achieve a uniform grey colour.

Apply the mixture primer coat immediately after mixing and lay the nosing compound whilst the priming coat is still tacky.

Mixing of Nosing Compound

Pour the entire content of both tins of **Estop BJ Transitional Strip** from Base and Hardener into the Crete angle mixer and mix at three quarter to full speed for one minute.

Add the aggregates gradually to the mix over a period of one to two minutes.

Mix for further of five minutes at half to three quarter speed.

Application

Apply the **Estop Primer E11** by brushing liberally into the prepared surface at the rate of 1 m² per 200ml pack

Apply a suitable release agent to formwork, prior to the application of **Estop BJ Transitional Strip**.

Placed and compacted **Estop BJ Transitional Strip** into the joint with suitable compacting tools.

Trowel off to the required level with a wooden or steel trowel.

ESTOP BJ TRANSITIONAL STRIP SHALL NOT BE ADDED WITH WATER

Cleaning

Clean tools, etc while the mortars are still uncured with solvent cleaner. Hardened material can only be removed mechanically.

Packing & Size

Estop BJ Transitional Strip	10 litre pack
Estop Primer E11	200 ml pack

Coverage

Estop BJ Transitional Strip	Nosing size of 10mm thick, 100mm wide at the length of 1m run per 10 litre pack
Estop Primer E11	1m ² per 200ml pack

Technical Support

Estop offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifies, end-users and contractors, as well as on-site technical assistance.

Storage

Estop BJ Transitional Strip has a shelf life of 12 months, if stored in a cool and covered condition.

If stored in extreme heat locations the shelf life may be reduced.

Precaution

Estop BJ Transitional Strip and **Estop Primer E11** contain epoxy resin, which may cause skin sensitization in certain individual.

Avoid skin contact and apply suitable barrier cream or wear disposable rubber gloves.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.