

Estoplate Adhesive

Epoxy Adhesive for Estoplate (Carbon Plate) System

Description

Estoplate Adhesive is a two component epoxy system which when mixed yields a thixotropic fast curing adhesive.

Uses

For use as a structural adhesive when used in conjunction with Estoplate.

Advantages

- Excellent adhesion to Estoplate and substrate – Ensures transfer of loads
- Solvent free – Low VOC and non-shrink
- Good chemical resistance – durable strengthening solution

Physical Properties

Mixing ratio, by weight	(Base) : (Hardener) = 2 : 1
Coverage	3.0 – 4.5 kg/m ² .
Elongation at break (ASTM D638)	>5%
Tensile modulus (ASTM D638)	>3500 Mpa
Tensile strength (ASTM D638)	>65 Mpa
Compressive Strength (ASTM D695)	116 Mpa
Flexural Modulus (ASTM D790)	>3500 Mpa
Flexural Strength (ASTM D790)	>125 Mpa
Shear adhesive strength (ASTM D1002)	>17 Mpa

Do not apply **Estoplate Adhesive** if ambient temperature is less than 5°C.

Application

Surface preparation

Remove all grease, oil, dust residual curing compound, mould release agent or other contaminants that could impair adhesion. Spalled concrete should be cut back and repair. Laitance should be removed.

Mixing

Mechanically mix component A before adding component B. When component B has been added, mix for approximately 3 minutes until a smooth mix has been obtained.

Application of Estoplate Adhesive

Apply **Estoplate Adhesive** at the surfaces (substrate and laminate). Apply the selected Estoplate onto the **Estoplate Adhesive** coated substrate and using the relative roller, exert a constant pressure by moving the tool both ways in the longitudinal direction of the fibres.

Estimating Data

Typical consumption

- 0,3 kg/m² for CLS type 0212 and 0512
- 0,6 kg/m² for CLS type 1012

Packaging

Estoplate Adhesive is available in 15kg packs

Shelf Life

Estoplate Adhesive can be stored in tightly closed original containers for 12 months at a moderate temperature.

Precaution

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the ESTOP Material Safety Data Sheet (MSDS) from our office or our website.

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