

STRONGCOAT EPOXY OT

Two-part oil tolerant epoxy DPM and primer



TECHNICAL DATA SHEET PUBLISHED FEBRUARY 2021

PRODUCT FEATURES

Strongcoat Epoxy OT is a two-component epoxy resin primer and membrane designed to be used on concrete floors where oil contamination is present.

Strongcoat Epoxy OT is designed to improve adhesion of surface coatings and screeds to substrates which are contaminated with oils. Note that whilst Strongcoat Epoxy OT is oil tolerant, it will not adhere to grossly contaminated substrates. Substrates should be thoroughly cleaned with industrial detergent before applying Strongcoat Epoxy OT.

MATERIALS SUPPLIED

5 kg and 10 kg units.

STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 5°C and 30°C.

SHELF LIFE

12 months if stored in unopened packaging and stored under proper conditions.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Concrete substrates should be mechanically prepared to remove any dust, laitance, grease, oil or any other contaminants that could adversely affect adhesion. Suitable mechanical preparation such as scabbling, planning or vacuum grit blasting are recommended to provide a key. A suitable degreaser and cleaning agent should be applied to any residual oil contamination. Thoroughly rinse with clean water following cleaning to remove any residue. Ensure no standing water is present before application.

COVERAGE

On grit blasted and textured surfaces, approximately 3.5 m²/kg for the first coat and up to 5 m²/kg for the second coat. Coverage figures will vary according to the texture, porosity and evenness of the surface on which the Strongcoat Epoxy OT is being applied.

TECHNICAL INFORMATION

Bond strength BS EN 13892-8:2002	1.5 MPa
Working time @ 20°C	15 - 20 min
Overcoat time	12 - 36 hr

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Strongcoat Epoxy OT Hardener container into the Resin container and, using a Jiffytype mixer attached to a slow-running electric drill, mix for approximately two minutes. Never mix Strongcoat Epoxy OT by hand as this could lead to areas of uncured material.

APPLICATION

Once mixing is complete, transfer the Strongcoat Epoxy OT to a roller tray and, using a medium-pile simulated sheepskin roller, apply it evenly over the surface. The second coat or further toppings must be applied within 48 hours. If used as a primer for cementitious floor coatings the second coat should receive a full blind of DCP coarse aggregate at a rate of approximately 3kg/m². Any excess aggregate should be removed once the primer has cured.

WORKING TIME

Strongcoat Epoxy OT has a working time of approximately 20 minutes at 20°C.

• **Never leave the mixed Strongcoat Epoxy OT kit to stand for any length of time prior to application as this will considerably shorten its working time.**

CLEANING

Once mixing and application are complete, tools can be cleaned with a suitable solvent. Cured material can only be removed mechanically.

PRECAUTIONS

Do not place when the substrate temperature is below 10°C or when the ambient temperature is 10°C and falling. Do not place where the atmospheric relative humidity is above 90%. Substrates should be kept 3°C above the dew point for at least 48 hours after application.

Protect from frost.

HEALTH & SAFETY

Refer to the product Material Safety Data Sheets before using Stroncoat Epoxy OT.

GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Services Department.

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Note:

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