

Technical Data Sheet

Date of issue:

version 1.2

01-06-2021

Description

ShutterStrip Construction joint film is a water-based soluble film that contains organic concrete retarder; the film is non-hazardous, sealed in protective liners.

Ingredients determined not to be hazardous

Appearance: Yellowish Film.

Usages

Construction Joint Film can be easily attached to any area of a formwork/shutter to deactivate/slow the setting of wet concrete laitance to expose aggregates to create a keyed construction joint or for exposing starter bars and for aesthetic decorative purposes.

Advantages

- Solid film, not a liquid, gel or a powder, no COSH needed
- Where the concrete interface is expected to transfer tensile and shear stress's forces
- Expose aggregate with a jet wash
- Expose aggregate with a hard brush
- Depth of 3mm to 5mm
- Expose aggregate up to 72hrs after concreting
- No contamination of rebar
- Better interlock for structures
- Can be used on any dry surface
- No need to paint on or spray-on

Formwork/Shutter Preparation

Before application, it is recommended to wipe clean and dry the desired area of formwork/shutter to achieve the best adhesive bond of Construction joint film to the Formwork/shutter. ShutterStrip can be applied to wood, metal, polystyrene and plastic moulds.

Application

- 1) First, remove back liner to reveal adhesive back and stick to any area of the formwork/shutter.
- 2) Once in place apply pressure all over the film to achieve a good bond, for extra security or if the film is being placed up to 2hours before concreting or in adverse conditions **A)** If formwork is wood use the pins provided in the pack and pin the corners of the construction joint film **B)** If formwork is not wood then use sticky tape and stick across edges. (Remembering to lift the corners of the protective liner before pinning or applying tape)
- 3) When ready for concreting remove the protective liner to reveal the film and dispose of the liner in accordance following site rules.

Removing Laitance/Exposing Aggregate

When the underlying concrete has hardened and the formwork/shutter has been removed, the de-activated area will be visible, scrape the visibly effected area and then wire brush or jet wash with water to expose the aggregate depth of 3mm to 5mm.

Depending upon the temperature, and as determined by the approved mock-up panel it is recommended to expose the aggregate as soon as the formwork has been stripped if the lattice has started to harden simple jet wash with water and continue with a wire brush!

Laitance should be removed within 72hrs of concrete being

placed PERSONAL PROTECTION SHOULD BE WORN ON EVERY

SITE

Suitable PPE including protective gloves, safety glasses/goggles and protective clothing should be worn, if removing after 24hrs, it is recommended to wear a dust mask.

If any of the films are left on the formwork wash down with water, and if needed remove the adhesive layer buy peeling from the formwork.

TECHNICAL INFORMATION

Proceed with the application after approval of the test area. Results may differ based upon statistical variations depending upon concrete mix, temperature and humidity and actual site conditions and curing conditions.

HANDLING AND STORAGE

- No known dangers to handling.
- The product and packaging are flammable when exposed to fire.
- Store in original packaging closed and in a cool dry environment.
- Freezing Point: Approximately 0°C but when the temperature returns to normal the performance of the product is unimpaired.
- Not regulated as dangerous for transportation.
- Not classified as a marine pollutant.

DISPOSAL CONSIDERATION

Dispose of by site rules and local regulations, all used packaging should be taken to an approved waste handler for recycling.

Shelf Life

Shelf life in original, unopened packaging is 2 years from the date of purchase.

Production

Manufactured in India to ISO 9001: 2008



CONSTRUCTION PRODUCTS REGULATION (CPR) - NO 305/2011



Quality control

The product is checked for quality before being dispatched, each batch is checked for performance and is visually checked before being packaged.

The packaging is produced from recycled cardboard



LEGAL DISCLAIMER

KEEP PACKAGING CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY

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PRODUCT NAME: Concrete Construction Joint Film **DATE:** 01-06-2021

FUNCTION: Concrete Surface Retarder **REV:** 1

COMPANY: ShutterStrip Concrete Solutions Ltd.

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