



TECHNICAL DATA SHEET

Version : 003

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CONSOL ROOFGARD TC

Flexible, Styrene Acrylate

DESCRIPTION

CONSOL ROOFGARD TC system consists of a combination of highly flexible UV resistant styrene acrylate. It cures to form durable, flexible waterproofing membrane.

RECOMMENDED FOR

For external waterproofing, such as:

- Concrete flat roofs
- Sealing joints, laps and roofing screws on various kind of roof
- Parapet walls
- External walls
- GRC

BENEFITS

CONSOL ROOFGARD TC provides the following beneficial properties:

- External weather & UV resistant
- Easy to use
- Strong adhesion to substrate under wet condition
- Good crack bridging
- Thixotropic
- Non toxic
- Will not promote fungal growth
- No blistering even after long term water immersion

TECHNICAL DATA

Form

Liquid

Colour

White, Grey

Density

1.35 kg/litre

Drying Time

1-2 hours depending upon ambient conditions

Tensile Strength (ASTM D 638)

2.0 MPa

Tear Strength

56 N/mm

Elongation (ASTM D 638)

>300%

Fire Index

0.4

Flammability

Class 2

Accelerates Weathering

No serious effect after 2.000 hours

Packaging

25 kg pail

Storage

Protect from direct sunlight

Shelf Life

1 years if stored in unopened original container

Coverage

Approximately 0.3-0.35 kg per m² per coat for approx. 0.2 mm thickness.

APPLICATIONS

APPLICATION INFORMATION

Ambient Air Temperature

15°C min – 35°C max

Substrate Temperature

15°C min – 35°C max

Relative Air Humidity

80 % r.h.max

Dew Point

Surface temperature during application must be at least 3 °C above dew point. Beware of condensation.

Substrate Moisture Content

<6 % moisture content.

No rising moisture according to ASTM.

No water/moisture/condensation on the substrate.



APPLICATION INSTRUCTIONS

Surface Preparations

Surface must be clean, sound and properly cured. Remove all loose materials mechanically, preferably with a wire brush. Iron and steel surface should be free of rust.

Applications

Step 1

Apply a generous base coat of **CONSOL ROOFGARD** by brush or roller

Step 2

Embed the **CONSOL ROOFGARD** in to the base coat while it is still wet. Ensure that the membrane is thoroughly embedded and smooth out all air pockets and creases. Overlaps of adjacent membrane from both sides.

Step 3

Immediately apply a second coat of **CONSOL ROOFGARD** while the base coat is still wet, to fully saturate the membrane from both sides.

Step 4

When touch-dry, apply a final top coat with **CONSOL ROOFGARD TC** to complete the application. Protect from rain until dry.

CLEANING

Remove uncured surface **CONSOL ROOFGARD TC** with water. Cured material can only be removed mechanically.

LIMITATIONS

Ambient and surface temperatures must be between 15 C and 35 C during application.

Do not attempt application if rain is imminent.

It is not recommended to apply screed mortar on top of **CONSOL ROOFGARD TC**.

HANDLING PRECAUTIONS

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

