



CONSOL ROOFGARD HYBRID

Flexible Coating System, PU Acrylic

DESCRIPTION

CONSOL ROOFGARD HYBRID system consists of a combination of highly flexible UV resistant styrene acrylate and aliphatic polyester-polyurethane (PU). It cure to form durable, very soft, and 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 HYBRID provides the following beneficial properties:

- External weather & UV resistant
- Very soft and flexible coating system
- 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

1.40 ± 0.1 kg/litre

Drying Time

1-2 hours depending upon ambient conditions

Tensile Strength (ASTM D412)

Before UV Weathering	3.29 MPa
After UV Weathering (500 hours)	3.44 MPa

Elongation (ASTM D412)

Before UV Weathering	122%
After UV Weathering (500 hours)	144%

Tear Strength (ASTM D624-00)

Before UV Weathering	22.1 N/mm
After UV Weathering (500 hours)	25.5 N/mm

Fluorescent UV-Condensation Exposures (ASTM D4587-11)

- No cracking
- No chalking
- No blistering
- No peeling decay
- No de-lamination
- Slightly colour change (white to light pale yellow)

Water Vapour Transmission (ASTM E96/E96M-16)

1.52 (g/m²/hr)

Accelerates Weathering

No serious effect after 2.000 hours

Packaging

25 kg pail

Storage

Dry, shaded place. Protect from direct sunlight and frost.

Shelf Life

CONSOL ROOFGARD HYBRID can be stored for 12 months if stored as recommend in unopened original containers.

Coverage

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



APPLICATIONS

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 HYBRID** by brush or roller

Step 2

Embed the **CONSOL ROOFGARD HYBRID** 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 HYBRID** 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 to complete the application. Protect from rain until dry.

CLEANING

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

LIMITATIONS

Ambient and surface temperatures must be between 5°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 HYBRID**

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.

HEALTH, SAFETY, AND ENVIRONMENTAL

For detail health, safety, and environmental recommendations, please consult and follow all instruction on the Material Safety Data Sheet.