



4851110-V1.1

Solvent Free Epoxy.

Cycloaliphatic cure epoxy coating

ROCKEPOXY is a solvent free 100% solids cycloaliphatic cure epoxy coating which can be applied by brush or roller. It is designed for application to concrete, steel, and fiberglass substrates where a high chemical resistance is required, and secondary containment (bunds) exposed to immersion and splash & spillage of chemicals. It is formulated to have high resistance to most concentrated acids and alkalis, and many other commonly used chemicals used in industry— consult with CCM Coatings for Rockepoxy's suitability to a particular substrate. Rockepoxy can also be used in areas with at elevated temperatures. Two to three coats of Rockepoxy are recommended for the best results.

Composition and Properties

- ROCKEPOXY is a solvent free epoxy coating which can be applied by brush or roller.
- It is formulated as a chemical resistant lining for concrete, steel, and fiberglass tanks, and secondary containment (bunds) exposed to immersion and splash & spillage of chemicals.
- It is formulated to have resistance to most concentrated acids & alkalis, and many other commonly used chemicals – consult with CCM Coatings for suitability for use.
- It is formulated to resist blushing.
- It is also formulated for use at elevated temperatures
- Two to three coats of Rockepoxy are recommended.

Physical properties

- Appearance: Base - pigmented liquid; Hardener - clear liquid
- Flammability Flammable
- Solids: 100
- Coating Type: Epoxy
- Packaging 10L litre packs / 4L packs
- Mix ratio: 1 part base :1 part hardener
- Pot Life: 1/2 hour approximately at 20 degrees Celsius (100g mix)
- Coverage: 5 - 10 sq m/litre – typical
- Recoat time Recoat as soon as tack free to avoid blush between coats
- Cure hard Overnight @ 20 °C ; 48 hours minimum before putting in service OR force cure for 16 hours @ 50° C.

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Surface Preparation

- All oil, grease, and other contaminants must be removed
- Concrete: Must be minimum of 4 weeks old. Acid etch with 5% Hydrochloric acid, wash clean with water and allow to dry OR physically remove laitance by suitable means e.g. grinding, sweep blasting etc. On previously painted concrete physically remove coating by suitable means e.g. grinding, sweep blasting etc.
- If concrete is older it is recommended to thin the first coat of Rock Epoxy with CCM Epoxy thinner 5% by volume.
- Steel : Blast with a suitable abrasive to near white metal (SSPC 10/SA 2.5 standard). If this is not possible remove loose material by mechanical abrading or high pressure water blast until only tight rust is left.
- Fibreglass: Abrade surface to give a good key.
- All surfaces must be free of dust or other contaminants before applying Rockepoxy.

Method of Application

- Two to three coats of Rockepoxy are recommended
- Add 1 parts hardener to 1 part base and thoroughly mix at a slow speed, so that you do not induce air bubbles - a drill with a mixing blade is required.
- Rockepoxy is applied by brush, or roller. Recoat Rockepoxy within 24 hours.
- Allow 2 days minimum before putting into service – 7 days is preferred, OR force cure for 16 hours @ 50° C.

Limitations

- Substrate Temperature should be at least +10°C min or +30°C max. Ambient Temperature should be +10°C min or +30°C max.
- Substrate Moisture Content should be below 4% pbw moisture content. Test method us a Tramex meter, CM measurement or Oven dry method. No rising moisture should be present.
- Relative Air Humidity 80% relative humidity max.
- Dew Point. Beware of condensation! The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming/blushing on the floor finish

Handling Precautions

- Avoid contact with eyes and skin. Do not ingest. Use with adequate ventilation.
- Use a respirator with an organic cartridge when applying in a confined space.
- Protective clothing, eye protection, and gloves to be worn.
- Keep away from children.
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Call CCM Coatings for technical information.

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