

Enviro 820 TC

Moisture-curing Aliphatic Polyurethane Coating

DESCRIPTION

Enviro 820 TC is a single-pack, moisture-curing aliphatic polyurethane coating that cures to an extremely tough, durable finish resistant to yellowing and the effects of sunlight. In addition to its aliphatic nature, it contains UV absorbers for extra UV protection.

AREAS OF USE

SURFACES: Concrete floors, including diamond-ground concrete.

AREAS: Interior and exterior industrial and commercial flooring, protective glaze coat for trafficable areas, protection of concrete against staining from spills, and enhancing the aggregate of diamond-ground concrete.

FEATURES & BENEFITS

- Single pack
- Non-yellowing
- UV resistant, with added UV absorbers
- Interior and exterior use
- Easy to apply by roller
- Clear gloss finish

PRODUCT INFORMATION

Packaging	4L and 20L Pails
Colour	Clear, gloss finish
Shelf Life	12 months in original sealed containers
Storage Conditions	Store in a cool, dry environment.
Compatible Coatings	Enviro Epoxy RC Enviro Ultra Tuff

PHYSICAL PROPERTIES

Property	Test Method	Test Result
Appearance	–	Clear
Volume Solids	–	40%
Thinning	–	Not required
Finish	–	Gloss
Touch Dry	25°C / 75% RH	2 hours
Hard Dry	25°C / 75% RH	24 hours
Foot Traffic	25°C / 75% RH	24 hours

Property	Test Method	Test Result
Air and Substrate Temperature	–	5°C to 45°C
Relative Humidity	–	40% to 85%
Recoat / Topcoat Window	–	Min. 6–8 hours; max. 48 hours

Chemical resistance: Good resistance to spills and splashes of mild acids and alkalis; very good resistance to splashes of aromatic and aliphatic hydrocarbon solvents, and to fresh and salt water. Not recommended for immersion.

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
Floors	0.125	–	50 µm per coat

Approx. 8 m²/L per coat at 50 µm. Consumption depends on substrate condition and type.

SUBSTRATE PREPARATION

Concrete must be at least 28 days old. Remove all laitance, curing compounds, oil, grease and other surface contaminants. Diamond grind, track or light shot-blast concrete floors.

APPLICATION

Decant sufficient product into a suitable tray and reseal the original container. Do not return unused product to the original container.

Roller application: Apply with a lint-free 6mm mohair or gloss roller for optimum performance. Conventional and airless spray are not recommended.

Recoating: Recoat or topcoat between 6–8 hours and 48 hours after application.

For applications or situations not covered above, contact Enviro systems technical support.

CLEANING

Clean hand tools, brushes and power tools with Enviro Thinner No. 1 before the product cures.

LIMITATIONS

- Not recommended for immersion.
- Apply only within 5°C to 45°C and 40% to 85% RH.



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- Do not apply by conventional or airless spray.

HEALTH & SAFETY ADVICE

Enviro 820 TC is flammable. Keep away from naked flame; in the event of fire, extinguish with foam or CO₂. Provide adequate ventilation and wear appropriate PPE. Avoid breathing vapours and skin contact. If swallowed, DO NOT induce vomiting; give a glass of water and seek immediate medical advice. Wash skin with soap and water; if irritation occurs, seek immediate medical advice. Refer to the Safety Data Sheet for full safety and handling procedures.

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to accuracy, reliability, or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

NOTE: Field service where provided does not constitute supervisory responsibility. Suggestions made by Enviro systems, either verbally or in writing may be followed, modified, or rejected by the owner, engineer, or contractor since they, and not Enviro systems, are responsible for carrying out procedures appropriate to a specific project.

NOTE: All products manufactured by Enviro systems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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