

Enviro Ultra Tuff

Solvent-free Novalac Chemical-resistant Epoxy

DESCRIPTION

Enviro Ultra Tuff is a solvent-free, 100% solids, high chemical-resistant epoxy coating that combines the advantages of a solvent-free system with Novalac chemistry. Once cured it produces a smooth, glossy, durable, and easy-to-maintain surface.

AREAS OF USE

SURFACES: Suitably prepared and primed concrete, including damp substrates.

AREAS: Secondary containment and bunded areas, tank linings, production and manufacturing plants, food processing and pharmaceutical facilities, plant rooms, warehouses, car parks, and any area requiring high chemical resistance.

FEATURES & BENEFITS

- Solvent-free, 100% solids
- Exceptional chemical resistance (Novalac)
- Resistant to crude oil up to 120°C
- Tolerant to damp substrates
- Gloss, easy-to-clean finish.
- Colour pack system.
- Nil explosion risk and fire hazard

PRODUCT INFORMATION

Packaging	16L Kits (Part A, Part B and 2 x 750mL Colour Packs), pre-proportioned
Mix Ratio	10.5 : 4 : 1.5 (Part A : Part B : Colour Pack) by Volume
Colour	White, Neutral Grey, Koala Grey, Dark Grey and Black – see Colour Range
Shelf Life	12 months in original sealed containers in a controlled environment
Compatible Primers	Enviro Epoxy B-LV

COLOUR RANGE

				
White AS 2700 N14	Neutral Grey AS 2700 N23	Koala Grey AS 2700 N45	Dark Grey AS 2700 N64	Black AS 2700 N61

Colours shown are a guide only and may vary with surface texture,

preparation, and application. Select the final colour from a site-applied sample on the actual surface. Colours can be matched to the Dulux® range on request, subject to minimum order quantities, lead times and applicable terms and conditions.

PHYSICAL PROPERTIES

Property	Test Method	Test Result
Solids Content	–	100% (v/v)
Pot Life @ 23°C	–	40 minutes
Tack-free Time @ 25°C	–	6 hours
Trafficable @ 23°C	–	72 hours
Overcoat Window @ 23°C	–	Min. 12 hours – max. 48 hours
Full Cure	–	7 days

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
Floors – 2 Coats	0.15 per coat	2	300 µm (min. 250 µm)

6.7 m²/L per coat at 150 µm DFT; approx. 43–53m² per 16L Kit for 2 coats.

SUBSTRATE PREPARATION

All defective host substrate must be removed prior to application, including cracked or structurally weakened surfaces and chloride-contaminated or carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications.

The surface must be dry, clean, and free from dust, laitance, grease, coatings, and curing compounds. Degreasing, grinding and/or captive shotblasting are required to provide a surface profile.

Priming: Prime with Enviro Epoxy B-LV. Apply an additional coat to poor or porous substrates after the first has dried overnight.

APPLICATION

Mixing: Mix full kits only. Mix Part A with the colour pack(s) until uniform, then add Part B and mix at low speed (less than 400 rpm) for 5 minutes or until uniform.

Application: Apply within the pot life by brush, roller, or spray in 2 coats to a minimum total DFT of 250 µm. For a non-slip finish, broadcast aggregate



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into the first coat, cure overnight and remove excess before the second coat.

Curing: Open to pedestrian traffic after 24 hours and vehicles after 3 days. Allow at least 7 days at 24°C before chemical exposure.

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

Chemical resistance: Resistant (14-day immersion at 25°C) to most dilute acids and alkalis, hydrochloric acid to 30%, sodium hydroxide to 50%, crude, diesel, jet fuel, petrol, xylene, Skydrol and sewage. Conditionally resistant to acetic acid 30%, sulphuric acid 30–60%, sodium hypochlorite and some alcohols. Not resistant to nitric acid 5% and 40%, concentrated phosphoric acid, sulphuric acid 78%, phenol and ethanol. Full chart available from EnviroSystems.

CLEANING

Clean tools and equipment before hardening with Enviro Thinner No. 1 or Enviro Thinner No. 7. Cured material can only be removed mechanically.

LIMITATIONS

- Mix full kits only.
- Do not expose to chemicals within 7 days of application.
- Check the chemical resistance chart for the specific exposure.

HEALTH & SAFETY ADVICE

Enviro Ultra Tuff is not flammable. Provide adequate ventilation and wear PPE. Avoid breathing vapours and skin contact; wear protective eyewear. If swallowed, DO NOT induce vomiting. Wash splashes with soap and water. 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 EnviroSystems, either verbally or in writing may be followed, modified, or rejected by the owner, engineer, or contractor since they, and not EnviroSystems, are responsible for carrying

out procedures appropriate to a specific project.

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

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