

Enviro Clad

Single-pack Elastomeric Acrylic Protective Coating

DESCRIPTION

Enviro Clad is a water-borne, single-pack acrylic protective coating with excellent UV, water and alkali resistance, and good resistance to carbon dioxide and chloride ion diffusion. Its anti-mould additive gives long-lasting protection to exterior walls from fungus and mould attack. Applied by brush, roller, or spray, it forms a highly elastic, colour-stable coating.

AREAS OF USE

SURFACES: Concrete, renders, fibre cement, plasterboard (wet area grade), and plywood (wet area grade).

AREAS: Roofing, building façades, parapets, chimney restoration, retaining walls, boat decks, external walls, and fences.

FEATURES & BENEFITS

- Very low VOC, water-based
- Flexible – elongation >200%
- Mould resistant
- Chloride and CO₂ resistant
- UV resistant
- Vapour permeable
- Eight standard colours, with Dulux® colour matching on request
- Versatile single-pack system

PRODUCT INFORMATION

Packaging	4L and 15L Pails (Single part)
Colour	8 Standard Colours – see Colour Range
Shelf Life	12 months in original sealed containers. Shelf life may be reduced if stored in high temperature and humidity.
Storage Conditions	Store in dry, cool conditions.
Compatible Primers	Enviro Prime WB Enviro Prime SB
Compatible Sealants	Enviro Flex PU FC Enviro Flex PU FL
Compatible Accessories	Enviro Cloth Tape Black

COLOUR RANGE

White	Antique White	Hog Bristle	Sandstone
Grey Dusk	Light Grey	Mid Grey	Gravel

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
Finish	–	Matte
Volume Solids	–	45%
Supply Form	–	Single-part liquid
Accelerated Weathering	ASTM G53-88	1000 cycles – Pass
Mould Resistance	BS 3900:G6	Pass
Elongation	–	>200%
CO ₂ Diffusion Resistance	–	Equiv. air thickness ≥250 m
Water Vapour Diffusion Resistance	–	Sd = 1.5m
Water permeability	ASTM E514	Alkaline, mid-range acids and biodeterioration
Specific gravity	–	1.34

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
External applications	0.33	2	150 µm

Two coats recommended. Consumption depends on weather and substrate conditions.



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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.

Surfaces may require steam cleaning or high-pressure water blasting. Surfaces must be clean, dry, and free from dust, laitance, grease, coatings, and curing compounds, with sharp edges and projections removed. Apply Enviro Flex PU FC or Enviro Flex PU FL (min. 15mm wide and allow to cure) to all joints and cracks, then apply Enviro Cloth Tape Black over the skinned sealant.

Enviro Clad is suitable for use over:

- New concrete – cured for min. 28 days and under 4.5% moisture (gravimetric method)
- Fibre cement sheets – walls (min. 6mm)
- Renders and screeds – cured for min. 7 days and under 4.5% moisture (gravimetric method)
- Compressed fibre cement (min. 15mm)
- Plasterboard walls – wet area grade only (min. 10mm)
- Plywood (PAA) – wet area grade only

Priming: Apply Enviro Prime WB or Enviro Prime SB prior to application. Consult EnviroSystems for applications that may not require priming.

APPLICATION

Mixing: Mix thoroughly at low speed to ensure uniform colour and consistency.

Application: Apply by brush, plain or texture roller, or airless spray to achieve the required DFT. Two coats are recommended; different colours may be used for each coat to confirm film build and coverage.

Curing: Can generally be recoated after overnight cure. Do not use if rain is expected within 8 hours of application.

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

CLEANING

Clean tools and surfaces immediately with water before the product dries.

LIMITATIONS

- Do not apply in damp or rainy conditions, or where rain is likely within 8 hours.

HEALTH & SAFETY ADVICE

Enviro Clad is non-hazardous according to Safe Work Australia criteria. However, as a precaution, always provide good ventilation when applying. Wash off splashes with clean water and wear gloves and eye protection. If irritation is experienced, seek 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 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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