



#### Description

EC-2000 Extreme is a **Crack Bridging** 100% acrylic, elastomeric wall coating that provides the elongation and elastic recovery necessary to bridge continually moving cracks in a masonry wall. Cracks are easily bridged during initial application and remain bridged throughout the worst ravages of cold winters and hot humid summers and maintains a positive waterproof seal to masonry and texture finished walls.

The product has high resistance to Carbon Dioxide Permeability making it ideal for seafront and inter-city masonry wall applications. The cured film is tough and highly elastic and incorporates topical strength anti-mould and mildew protection that will resist film growth even throughout Australia's tropical regions such as far North Queensland.

#### Principal Uses

Masonry and texture finished walls, pre-cast concrete, cement sheet, rendered walls, brick and concrete block. Do not use this product for any other purpose than that specified in our literature.

#### Features



#### Low Temperature Flexibility, to -9 deg C

Membranes for dimensionally unstable substrates must have long-term low temperature flexibility. This low temperature flexibility is necessary for the product to remain crack free at low temperatures and to accommodate thermal expansion and contraction of the substrate caused by rapid freeze/thaw weather cycling. EC-2000 Extreme will resist the degradative effects of harsh freeze-thaw cycling with its unique low temperature flexibility and will remain crack free and well adhered during substrate movement at temperatures down to -9° C.

#### Internally Plasticised

The product is designed on internally plasticized acrylic technology, which means, it does not contain plasticizers that can leach from the cured film over time and detract from the product's long-term elasticity.

#### Excellent Washability

Dirtguard 301 technology renders the paint film highly resistant to the ingress of water and environmental contaminants, this along with highly treated, non-absorbent pigmentation means that dirt and dust will not readily penetrate and stain the paint film. Dirt, dust and environmental contaminants will wash away easily to maintain a freshly painted look over long periods of time.

#### High Crack Bridging Ability

**Crack Bridging Ratio: 29.1 X dft, (207 microns dft = 6.02mm crack width).**

EC-2000 Extreme has an extremely high crack bridging ability and has been tested in accordance with AS 4548 Guide to long-life coatings for concrete and masonry Part 5: Guidelines to methods of test. Appendix F Guidelines on the determination of crack bridging ability.

#### High Water Vapour Transmission-Breathability

**Calculated Vapour Transmission: (200 microns, dft), 140.9 g/m2/24 hour.**

EC-2000 Extreme has an extremely high ability to allow substrate moisture to diffuse out through itself allowing the substrate to breath and provides high resistance to blistering. The product has been tested in accordance with In accordance with AS/NZS 4548.5-1999 "Guide to long-life coatings for concrete and masonry Part 5: Guidelines to methods of test" Appendix C. The diffusion coefficient for water vapour (DH2O) was calculated using Fick's First Law of Diffusion.

#### Low Water Transmission-Ingress

**Calculated Water Transmission: (200 microns, dft), 24 g/24h/m2/kPa**

EC-2000 Extreme has an extremely high ability to resist the ingress of water to the internals of the building substrate and has been tested in accordance with AS/NZS 4548.5-1999 "Guide to Long Life Coatings for Concrete and Masonry" Appendix B "Guidelines on Water Transmission Resistance Testing".

#### Mould & Mildew Protection

EC-2000 Extreme incorporates topical strength anti-mould and mildew protection that will resist film growth even throughout Australia's tropical regions such as far North Queensland.

## Australian Made and Owned

Astec Paints are an Australian owned and operated company that has been manufacturing premium finishes for the building and home restoration industries since 1978. For over four decades we have produced our entire product range in our South Australian plant. We are proud of what we make and that our products can carry the Australian Made and Owned Logo.



## Technical Data

Clean-up	Water
Coverage	
Theoretical Spread Rate @ DFT, (30 microns dry)	13.86 m <sup>2</sup> /ltr
Spread rate at recommended D.F.T (300 microns dry)	1.38 m <sup>2</sup> /ltr
Spread rate at recommended D.F.T (150 microns dry)	2.76 m <sup>2</sup> /ltr
Masonry	2.5-2.76 m <sup>2</sup> /ltr (single coat)
Brick	2.5-2.76 m <sup>2</sup> /ltr (single coat)
Concrete Block	2.5-2.76 m <sup>2</sup> /ltr (single coat)
Cement Sheet	2.5-2.76 m <sup>2</sup> /ltr (single coat)
Textured Surface	2.5-2.76 m <sup>2</sup> /ltr (single coat)
Recommended Thinners	Water
Thinning	Up to 20 % for Spray applications
Volume Solids.	46.2 %
Recoat Time	Touch dry in 50 minutes / Recoat 4 hours
Gloss Level	6.7 % @ 60 degrees
V.O.C	<25 G/l
QUV Accelerated weathering (3972 hrs UVB / Moisture 60 deg C Colour (Black)	>78 % of original gloss retained
Water Transmission Resistance (AS/NZS 4548.5-1999)	<24 g/24h/m <sup>2</sup> /kPa
Water Vapour Transmission (AS/NZS 4548.5-1999)	140.9 g/m <sup>2</sup> /24 hour:
Elongation @ 25 deg / C	641 %
Tensile Strength	4.278 mpa, max strain
Specific Gravity	1.172
PVC	26%

## Application Data

### Application

Stir well before use with a flat paddle or with a metal paint wacker using an up and down scooping action. Apply two EC-2000 Extreme with a good quality synthetic brush or new unused 12 to 25 mm synthetic roller cover. NOTE: the number of coats required to achieve full cover will depend of the primers and sealers used during preparation, application technique and/or the underlying substrate colour. Do not apply to surfaces that have had wax or silicone-based materials previously applied. Do not apply when ambient temperature is below 10°C, above 35°C or when humidity is very high.

## Surface Preparation

All surfaces must be clean dry and free of contaminants. Remove dirt, dust and any grease with a household detergent. Scrape of any loose or flaking paint on existing painted surfaces then sand any remaining paint to a flat finish. Any existing paint that exhibits a complete lack

---

of adhesion should be entirely removed for the best results, (except on asbestos sheeting). Wipe down with a damp cloth to remove any dust. Where it is not possible to completely remove all chalk or contaminants from the surface, apply Astec Multi-seal, which will bind the surface to a hard finish prior to painting. Rusted surfaces or nail heads should be treated with Astec Rus-traint then spot primed with Astec B-16 Anti-corrosive primer.

---

#### Brick, Concrete Block, Fibro Cement Sheet & Masonry

No primer is required on these surfaces that are in a new sound condition, (that are not weathered to a point where the surface or mortar joints are friable or continue to powder ever after cleaning). However, If the surface is friable, apply Astec Multi seal which will bind the surface to a hard finish. Apply two coats of EC-2000 Extreme.

---

#### Glazed Brick

Apply one coat Wallmaster Multi-block Primer. Apply two coats of EC-2000 Extreme.

---

#### Mould Infested Areas

Wash down using a stiff brush with (Chlorine) or a household bleach and water to remove the mould.

---

---

### Paint Disposal

Do not pour left over paint down the drain. Brush any leftover paint onto newspaper and allow to dry in a well-ventilated area. Dispose of the dry paint via domestic waste disposal. Empty cans should be left open and allowed to dry then disposed of in accordance with your local recycling legislations.

---

### Safety Direction

Keep out of reach of children, provide adequate ventilation during use and do not dispose of left-over paint in any drainage systems.

---

### First Aid

---

#### Eye Contact

Irrigate continuously with water for fifteen minutes holding eyelids open. Seek Medical advice.

---

#### Swallowed

Contact a doctor or Poisons Information Centre immediately. Do not induce vomiting. Give a glass of water. If vomiting does occur, place victim's face downwards at low level to prevent vomit entering lungs. Contact Astec for the relevant Material Safety Data Sheet.

---

#### Disclaimer;

The technical data is based on data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and is subject to change without notice. This information is given in good faith for the assistance of users. All warranties express or implied are excluded and Astec makes no representation as to the accuracy, completeness or otherwise of the technical data. Every person dealing with the product does so at their own risk and must make their own independent determination of suitability and compliance to ensure their proper use. Astec has no control over the condition under which the products are stored, handled, used or applied, therefore our recommendations do not amount to a legal warranty and Astec accepts no responsibility if the recommendations are not followed or complied with.