High Performance Paint

Product Data Sheet

EVO ELASTOMER 888

3X-888X JUN 09

DESCRIPTION: EVO ELASTOMER 888 is a 100% acrylic flexible membrane for exterior use. It incorporates the latest polymer nanotechnology to give excellent film build, elasticity and durability. Has surface cross linking chemistry for low dirt pick up.

TYPICAL USES: Concrete block, concrete, brickwork, stucco/roughcast, masonry plaster, fibre cement. Designed for masonry applications where fine cracks are likely to appear.

PERFORMANCE: An elastomeric membrane coating with excellent holdout, adhesion and alkali resistance for use on commercial and domestic buildings. EVO ELASTOMER 888 has excellent crack bridging properties, bridging cracks up to 400µm wide. EVO ELASTOMER 888 has been formulated to easily achieve high film builds.

LIMITATIONS: EVO ELASTOMER 888 cures slowly because of the high film builds. Choose carefully the weather when painting to allow the film to cure throughout. If heavy rain occurs when the film is still "green" large blisters filled with water may develop. Total dry film build needs to be 250-300 microns to achieve optimum properties. If less than 200 micron, crack bridging and dirt pick up may be compromised. Do not apply if air or surface temperature is likely to drop below 10°C during application or drying. Dark colours are not possible. Due to its cross-linking matrix, make sure the second coat is applied within 5 days of the first coat. Do not subject coating to hydrostatic pressure. Not recommended for interior use. Not designed to be walked on.

TECHNICAL DATA:

Resin:	Advanced cross-linking polymer
Solvent:	Water
Finish:	Matt (4-6% @ 60°)
Colour:	White/Limited Colours
Touch Dry (minimum):	60 minutes @ 20°C
Recoat Time (minimum):	2-4 hours
Primer:	See over
Number of Coats:	2-3
Dry Film Thickness:	80-125 microns per coat
Wet Film Thickness:	160-250 microns per coat
Durability:	Excellent
Elasticity (ASTM D412) (crosshead speed of 50mm/min)	450% average and depends on film thickness
Thinning and Clean Up:	Water – See over
VOC:	50
Pot Life:	Not Applicable
Pack Size:	4, 10 Litre

SPREAD RATE:

Theoretical Coverage: 4-6 m^2/litre/coat.
Coverage depends on surface profile and porosity.

COMPUTER CODES:

EVO Elastomer 888	30-888
EVO Elastomer 888 Deep	33-8883

Coating Technologies Limited, 16 Aetna Place, Henderson, Auckland, New Zealand
Phone: 0064 9 837 0897 Fax: 0064 9 837 3736 **www.cotec.co.nz**

EVO ELASTOMER 888

SURFACE PREPARATION:
(Refer to "Surface Preparation and Paint Systems" for full details)**.** To ensure a successful application all surfaces to be coated must be clean, dry and stable.

Any mould, moss or algae requires treatment with a suitable cleaner/inhibitor. Ensure surfaces are free of oil, grease or other contamination.

Note: Commencement of work on a surface means in general you accept that surface. If in double seek advice.

NEW CEMENTITIOUS SURFACE:
Allow the concrete to cure. Minimum time 7 days, ideally 28-30 days for full cure before application of coating. Wash down thoroughly to remove all dirt and loose material. If tight surface from formwork, steelwork etc, it's important to remove any laitance which can be brittle and dusty.

If lime leaching/efflorescence is likely, apply one coat of LIME STOP.

OLD CEMENTITIOUS SURFACE:
Remove any algae or mould and thoroughly clean. Water blast at 3000psi. If water blasting is not possible, remove all loose, powdery material. Refer to CTL for technical advice.

CRACKED SURFACES:
EVO ELASTOMER 888 will bridge gaps up to 400 microns. Larger cracks should be filled with a suitable exterior filler. Refer to CTL.

PRIMER:
Apply one coat of LIME STOP or UNISEAL GLOSS LO prior to applying EVO ELASTOMER 888. Primers will bind and seal any friable material; enhance efflorescence resistance, as well as giving EVO ELASTOMERIC 888 a uniform application rate. Refer to CTL for an appropriate specification for your application.

APPLICATION:
EVO ELASTOMER 888 can be brushed, rolled or airless sprayed. The various textures of substrates will require careful attention to completely wet out the texture to obtain a continuous film.

Smooth Surface:	Use a 10 – 20 mm nap roller – This may produce a slight nap roller texture depending on the depth of pile on the roller.
Heavy Texture:	Use a heavy nap roller 15 mm – woolly roller. Move slowly ensuring all the texture profile is covered.
Spray:	Use airless spray with cap capacity of 2 litres per minute and a 521 tip. The surface may need to be back rolled after spraying.

Note: Cutting in should be completed first, then a uniform full uninterrupted coat applied as close as possible to the detail to avoid difference in appearance with sheen/gloss. Make certain a wet edge is maintained on a single area to produce an uninterrupted surface.

THINNING & CLEAN UP:
Thinning is not recommended; however up to 5% is possible to aid with cutting in. Clean up in water; use a small amount of detergent to aid cleaning.

ENVIRONMENTAL:
The evolution (EVO) range of products are formulated on the latest available resins to give you both high performance and also to meet low VOC (Volatile Organic Compound) levels set out in current local standards. Likewise levels of environmentally harmful substances are either significantly reduced or eliminated. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET.