Product Data Sheet

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Makers of Fine Paint Since 1962

ISSUED: 17 April 2014

639 E3 Primer

USE	THINNER/CLEAN	APPLICATION	RE-COAT	HAZARD
	 659 Thinners		 4 Hrs min 24 Hrs Max	

Forminex E3 Primer is a 2 part epoxy resin based primer coat ideally suitable for use on ferrous and non-ferrous metal substances. E3 has been formulated to the requirements of Title 21 CFR FDA (US Federal Government) thus making it suitable for use in Food Contact applications as a coating.

DESCRIPTION: In many Food Contact painting applications a primer may not be required however on substrates like Stainless Steel and Aluminum the use of E3 Primer will ensure sound adhesion of the coating system. E3 has excellent adhesion to both Stainless Steel and aluminum.

For Food Contact applications E3 primer must be over coated with a suitable food contact topcoat such as Topline's 116 Nylocote or 304 Chloraline.

SURFACE PREPARATION: Ensure surface is thoroughly clean and dry, free of any traces of oil, grease, dust etc. All corrosion products present on the substrate should be removed prior to painting. If using any kind of surface pre-treatment with a residual component please check with that products supplier for its food-contact suitability. All loose paint must be completely removed prior to painting. Light abrading of aluminium or stainless steel is also beneficial prior to painting.

PACKAGING: E3 is a two pack system requiring the two parts to be mixed together prior to use in exactly the proportions under "Mixing". The mixed material should be thoroughly stirred after which it is immediately ready for use. It is available in 1Litre and 4 Litre kits.

MIXING: Stir part A and part B thoroughly before mixing 3 parts of E3 Part A to 1 part of E2/E3 Part B by volume (E2/E3 Part B may be used with both E2 Primer and E3 Primer). Measure accurately. Do not return mixed material to original containers.

POT LIFE: Only mix sufficient material for each coat. Maximum pot life of mixed material is 8 hours. Any unused material that has been activated for more than 8 hours will be unusable. Times are based on an ambient temperature of 25°C. Higher temperatures will shorten pot life.

COVERAGE: Approximately 12m² per litre at a typical 30µm Dry Film Thickness

COLOUR & FINISH: Clear / Semi Gloss

DRYING TIMES: Dust free 15 - 30 minutes. Touch dry 60 minutes. Re - coat 4 hours minimum and 24 hour maximum. If the recoat time exceeds 24 hours then the E3 primer should be lightly abraded to provide a key for the subsequent coats prior to applying the next coat. Full cure will take up to 7 days and *if painting food-contact equipment it is essential to ensure a minimum of 7 days after painting is complete to allow the coating to cure fully prior to use in a food-contact situation.* All times are quoted at 25ºC. Lower temperatures will increase cure time. Epoxy coatings generally do not cure at temperatures below 10°C

APPLICATION: Brush or spray.

TEMPERATURE: Surface and air temperature must be above 10°C. Ideal application temperature 15-30°C Avoid painting in direct sunlight as this will cause paint to dry too quickly. Do not paint if temperature is likely to drop below 10°C during curing period. Do not paint if the ambient temperature is greater than 35°C or humidity is greater than 85%.

THINNING: For brush application thinning is not normally required. For spray application thin approximately 10% with 659 Epoxy Thinners.

TOPLINE PAINT PTY LTD **33 ALDERSHOT ROAD, LONSDALE, SOUTH AUSTRALIA 5160.**

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PRECAUTIONS:

The following information is a general guide only. Industrial users (ie where the product is being used in the workplace) are legally required to have available a Material Safety Data Sheet on this product. If you are unsure if you have an MSDS on this product please contact Topline Paint and one will be provided.

Safety Directions: *KEEP OUT OF REACH OF CHILDREN – DO NOT SWALLOW.* Breathing the vapour is harmful and may cause lung irritation. Avoid contact with skin and eyes. Wear suitable, protective clothing, eye protection and impervious gloves when mixing and using. Handling and usage of this product must be carried out under well ventilation conditions that prevent inhalation of vapours, dust or mist. Use the appropriate breathing equipment (refer to Aust Stand. 1716) when ventilation is restricted. Keep containers closed when not in use. Eliminate any source of ignition (open fires, pilot lights, furnaces, spark producing switches etc.) as this product is flammable. *DO NOT SMOKE.* Take precautionary measures against static discharges. Used clean up rags may spontaneously ignite. To avoid ignition immerse in water or store in a sealable glass container.

First Aid Instructions: If affected by inhalation, remove to fresh air. If breathing difficulty persists or occurs later, consult a doctor. If swallowed, *DO NOT INDUCE VOMITING* drink plenty of water and seek medical advice. Contact a Doctor of Poisons Information Centre (Phone 131126). If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek prompt medical advice. Immerse contaminated clothing in water for 24 hours and do not use until laundered. In case of eye contact, hold eyes open and flood with running water for at least 15 minutes seek medical advice.

Leaks, Spills and Disposal: To prevent ignition of fumes product shut off all ignition sources. Contain or shut off leak if safe to do so. For large leaks or spills of volatile, flammable product, use respiratory protection, protective apparel and footwear. Spills should be absorbed either with rags (small spill) or dry sand/earth (large spill). In the case of flammable product spillage, use spark free implements to place rags or absorbed material into a solvent resistant container. Cover with water for 24 hours before disposal. DO NOT pour left over product down the drain – retain it in marked sealed container for future use or disposal through chemical waste collection programs. Dried empty cans can be recycled and should be disposed of via council steel recycling facilities.

Fire: Use foam and breathing apparatus. Avoid breathing products of combustion.

Hazard: The coloured square at the top of page 1 is provided for a quick reference as to the hazard level of a product. Blue refers to coatings with low hazard (eg water based wall paints). Yellow refers to medium hazard products such as QD enamels, which contain solvents, are flammable and need respirators for vapour protection. Red refers to products with special hazards such as isocyanate cured two pack finishes

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