

MULTIPURPOSE COATING

epigen 2816

A multipurpose, solventless epoxy system designed to meet the highest standards of colour retention, chalk resistance, and abrasion resistance. A coating preferred by general industry in applications such as concrete, timber, and steel coating of factories, warehouses, workshops, for a variety of services.

The surface finish may be laid as a thin film roll down coating controlling the thickness of the coating by the addition of Diluent. Safety flooring may be completed with the inclusion of aggregate to introduce a non slip profiled finish. For very light non slip surface finishes, Epigen Non Slip Additive is recommended.

TYPICAL APPLICATIONS

Vehicle Workshops	Swimming Pools
Pharmaceutical Industries	Amenity Blocks
Food Processing Facilities	Dairy Industries
Warehouse Flooring	Loading Docks
Laundries	Steelwork Coating

FEATURES

Excellent UV stability and chemical resistance
Application DFT from 50 micron to 3mm in 1 coat
Trafficable in 24 hours
Free of all solvents - zero VOC
Engineered for high mechanical strength
Versatility in application
Cures under cold adverse conditions
Easily transformed into a highly non slip finish
Non Slip finish can be coarse or fine
Colours available extend to all Australian Standards listed

Epigen 2816 is supplied as a three part kit comprising component "A" resin, component "B" curative, and pigment pack. The entire kit is supplied in a pre weighed convenient size to make on site activities easier.

The Australian Standard 2700 colour standard is used as the basis colour chart for all colour selections. Product can be tinted in batch lots or on an individual kit by kit basis. Extensive work has shown that kit to kit tinting exhibits minimal variation in colour.



PROFILE

Ratio by weight	2.7 kg Component "A"
	1.8 kg Component "B"
	1.2 kg Pigment Pot
Pot Life minutes @ 24°C	45
Mixed consistency @ 24°C	Flowable Liquid
Specific gravity when mixed	1.4
Kg/m ² for 200 micron low profile	0.28
Kg/m ² for 2.5mm nonslip	0.9

TYPICAL CURED PROPERTIES

Compressive strength ASTM D695, Mpa	>90
Tensile strength ASTM D638, Mpa	>15
Flexural strength ASTM D790, Mpa	>15
Hardness, Shore D	88
Thermal conductivity ASTM C177, Kcal/m.hr° C	0.40
Coefficient of thermal expansion ASTM C531 (cm/cm/° C) x 10 ⁻⁵	3.8
Dielectric constant ASTM D150 (150KHz)	3.0
Maximum exposure temperature, °C	150
Heat deflection temperature ASTM D648, °C	80
Cure time to light traffic @ 20° C, Hours	8
Cure time to open traffic @ 20° C, Hours	24
Ultimate cure time @ 20° C, Hours	72

This information is supplied as an indicative reference only. Caution should be used where direct comparisons are to be made.

