



# TECHNICAL DATA SHEET

Issue: 27-Jun-16

## W.B.E. 316 (mix 3:1 by volume)

A water based, self priming two pack epoxy coating with excellent adhesion, high resistance properties and a hard wearing, tile like surface.

### FEATURES & BENEFITS

- \* Overnight curing in low temperatures
- \* Excellent adhesion
- \* Overnight curing in high humidity
- \* Good mark and wear resistance
- \* Complies with US FDA food contact requirements

### PERFORMANCE GUIDE & COMPARISON\*

Product	Ease of Application	Preparation	Durability**	Maintenance**
316	Medium	Medium	Medium	Medium

Characteristic	Typical Value
Colour	White, Off White, Light Grey, Safety Yellow
Solids (vol. %)	56%
Gloss	Low Sheen
Pack Sizes	Part A – 3 Litres & 7.5 Litres. Part B – 1 Litres & 2.5 Litres.
Abrasion Resistance	Good
Chemical Resistance	Good
Solvent Resistance	Good

\* Performance Guide & Comparison

Description	Evaluation and Meaning
Ease of Application	The level of effort and expenditure to apply the coating, combined with level of expertise. <i>High = very easy to apply; Medium = easy to apply; Low = presents challenges for inexperienced users.</i>
Preparation	The level of effort and expense for preparing the substrate for coating. <i>High = a high level of effort and expertise required for preparation; Medium = modest preparation required; Low = low to no preparation required.</i>
Durability	The expected performance under standard Australian conditions for weathering and temperature variation. <i>High = High level of durability under extreme conditions; Medium = meets or exceeds standard conditions; Low = meets standard conditions, but not expected to endure.</i>
Maintenance	The level of continued coating support, or re-coating to achieve the same level of performance. <i>High = a high level of effort and expenditure in cleaning, or re-coating the system; Medium = a modest level of effort and expenditure for cleaning to keep the coating looking good and performing well; Low = almost no effort to support the coating system after application.</i>



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\*\* The expected lifespan of any coating is dependent on the location, weather and traffic the surface is subjected to. It is advisable to inspect the surface after 3, 6, 12 and 18 months from the initial application date to determine if it requires recoating and or maintenance. In light use areas, protected from adverse weather conditions the coating will last longer.

## APPLICATION

Apply by squeegee and roller.

Spread-rate:

	Minimum	Maximum	Typical
Theoretical Spread Rate (m <sup>2</sup> /L)	N/A	N/A	5
Wet Film Thickness (µm)	N/A	N/A	160
Dry Film Thickness (µm)	N/A	N/A	90

Dry Times\*\*\*

Substrate Temperature	5 C	10 C	20 C	30 C
Surface Dry (hours)	4	4	3	2
Hard Dry (hours)	10	10	8	8
Recoat Time (hours)	N/A	N/A	N/A	N/A
Pot Life (minutes)	90	90	45	40

\*\*\* Drying times are generally related to air circulation, temperature, and film thickness. The figures given above are typical with good ventilation, typical film thickness and single coat application.

## SURFACE PREPARATION

It is recommended that surfaces are clean (free from any dirt, grease or other foreign matter) and dry. Concrete shall be firm, clean and dry, any imperfections must be repaired before application. Prepare concrete surface by water blasting or grinding to provide the appropriate surface profile for optimum keying.

## DIRECTION FOR USE

Thoroughly stir contents separately then add Part B to Part A while stirring. Check colour prior to application. Always mix full pack sizes. Check Part B expiry date before. If thinning is required add 5% to 10% water. To ensure a uniform colour, use only components with identical batch numbers in the one application area or contact supplier for advice. This product shall not be applied on to substrates known to suffer from rising damp or having a relative humidity greater than 80%.

This Product Data Sheet is to be used as a guide only; it is NOT a specification.

## SAFETY

Provide adequate ventilation and wear protective clothing. Keep away from heat and flame. No smoking. Consult Safety Data Sheet.

Failure to observe these precautions will void all warranties and guarantees for product performance. The manufacturer will take no responsibility for coatings, products, labour, corrective action, or compensation where there is evidence of failure to abide by the manufacturer's directions.



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## CLEAN UP

Wash immediately in water.

## DISCLAIMER & CUSTOMER RESPONSIBILITY

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates and environmental conditions including substrate and air temperatures, humidity levels and dew point readings during both the application and curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately. The technical information and application advice given here is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application. Field support, where provided, does NOT constitute supervisory responsibility. Suggestions made by Paintec either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they are responsible for carrying out procedures appropriate to a specific application. If in doubt contact Paintec technical department for advice.