



WATERLINE P300

PRODUCT TECHNICAL DATA

FULL DESCRIPTION	: WATERLINE P300 TANK LINING		
MATERIAL TYPE	: Solvent free 2-pack epoxy.		
RECOMMENDED USE	: As a high build water resistant finish for use on the internal surfaces of potable water pipes and tanks.		
ENDORSEMENTS	: DWI approved as a site and factory applied coating for potable water retaining structures ref DWI 56.4.253 : Water Industry Act 1991 : Section 69 : Water Supply (Water Quality) Regulations : 1989 : Water Supply (Water Quality) Regulations (Amendment) : 1991 - Regulation 25(1) : Water Regulations Advisory Scheme Directory Reference 0512526		
RECOMMENDED APPLICATION METHODS	: Twin component spray : Brush (for small areas and touch up only)		
COLOUR AVAILABILITY	: Grey (Black Base, White Additive)		
FLASH POINT	: Base : Above 55°C		Additive : Above 55°C
% SOLIDS BY VOLUME	: 100%		
V.O.C.	: None		
TYPICAL THICKNESS	Dry film thickness : 500 microns	Wet film Thickness 500 microns	Theoretical coverage 2.00 m ² /ltr*
	* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.		
PRACTICAL APPLICATION RATES- microns per coat	Airless Spray	Brush	
	Dry	500*	500
	Wet	500	500
	* Maximum sag tolerance typically 1000 microns.		
AVERAGE DRYING TIMES	At 15°C	At 23°C	
To touch	: 3 hours	1½ hours	
To recoat	: 6 hours	3 hours	
To handle	: 16 hours	8 hours	
	These figures are given as a guide only. Factors such as air movement and humidity must also be considered.		
RECOMMENDED THINNER	: Do NOT thin.		
RECOMMENDED CLEANSER	: Cleanser/Thinner No. 5 may be used for cleaning equipment.		
RESISTANCE TO	: Immersion in potable water - Excellent		
RECOMMENDED TOPCOATS	: Waterline P300 is only recommended to be overcoated for touch up purposes. : Prior to overcoating, these areas must be thoroughly abraded, then solvent washed using Cleanser Thinners No. 13. Allow all solvent washings to dry, and thoroughly ventilate the area before applying touch up coat.		
POT LIFE	: 15 minutes at 20°C (brush application)		5 minutes at 40°C
PACKAGE	: A two component material supplied in separate containers to be mixed prior to use.		
Pack Size	: 30 litre units when mixed.		
Mixing Ratio	: 2 parts base to 1 part additive by volume.		
Weight	: 1.18 kg/litre.		
Shelf Life	: 12 months from date of manufacture or 'Use By' date where specified.		

SURFACE PREPARATION:

For tank internals and for maintenance of existing tanks, blast clean to Sa2½ BS EN ISO 8501-1:2007 using angular grit. Minimum surface profile 75 microns.

Ensure surfaces to be coated are clean, dry and free from all surface contamination.

APPLICATION EQUIPMENT:

Twin component Spray

Waterline P300 is applied using dual component hot airless spray equipment - consult Sherwin-Williams for further information.

Operating temperature : 35-45°C

Operating Pressure : Minimum 2200psi at the tip

Nozzle size : 0.48-0.53mm (19-21 thou)

Fan angle: 60°

Brush

The material is suitable for brush application to small areas and for touch up purposes. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

APPLICATION CONDITIONS AND OVERCOATING:

Waterline P300 should preferably be applied at temperatures in excess of 10°C. Relative humidity should not exceed 85% and in these conditions good ventilation is essential. The use of dehumidifiers to maintain stable environmental condition is recommended during application and curing of the coating. Substrate temperature should be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying and curing times will be significantly extended.

Return to Service : Applied coating must be allowed to cure for 16 hours at 3°C or above before returning to service. Should ambient temperature fall below 3°C in this 16 hour period, a further 16 hours should be allowed, once the ambient temperature rises above 3°C.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

ADDITIONAL NOTES:

Drying times, curing times and pot life should be considered as a guide only.

The curing reaction of epoxies commences immediately the two components are mixed, and since the reaction is dependent on temperature, the curing time and pot life will be approximately halved by a 10°C increase in temperature and doubled by a 10°C decrease in temperature.

Due to the nature of the resin system in Waterline P300, some discolouration will occur on exposure to UV radiation. This effect is purely cosmetic and will not detract from the performance of the material in any way.

Numerical values quoted for physical data may vary slightly from batch to batch.

HEALTH AND SAFETY:

Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.