DIXIE GUARD PW

PRODUCT DESCRIPTION	A two pack solvent free amine cured modified epoxy coating for potable water tank. It can be applied by airless spray equipment on cementitious or metal surfaces. Fully cured film has excellent corrosion resistance and is suitable for immersion in sea water, fresh water and potable water

RECOMMENDED USES	Protective coating for cementitious and steel surfaces. Suitable coating for potable water tank.

TECHNICAL DATA

COLOUR, DRY FILM	White
FINISH, DRY FILM	Smooth / Glossy
VOLUME SOLIDS (ASTM D2697)	99 ± 1%
SPECIFIC GRAVITY	1.26 ± 0.05
THEORETICAL SPREADING	6.6 – 3.3 M2 /LTR
RECOMMENDED DFT (DRY FILM)	150 – 300 Microns/Coat
RECOMMENDED WFT (WET FILM)	151 – 303 Microns/Coat
FLASH POINT	> 80ºC
FLEXIBILITY	Good
CHEMICAL RESISTANCE	Excellent
SOLVENT RESISTANCE	Very good
WATER RESISTANCE	Good
ABRASION RESISTANCE	Very good

DRYING TIME

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Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
TOUCH DRY	5 – 6 hours
DRY TO RECOAT	16 hours (minimum) – 72 hours (maximum)
FULLY CURED	3 days

ADVANTAGES

DIXIE GUARD PW	Two component, self-levelling, high build epoxy coating. Fully cured film has excellent water resistance, corrosion resistance. Suitable for immersion in sea water, fresh water and potable water.

APPLICATION INSTRUCTION

SURFACE PREPARATION	Steel	Oil and grease should be removed by solvent cleaning. Remove weld spatter and smooth weld seams and sharp edges as applicable. Abrasive blasting is required to obtain suitable roughness profile. Apply Dixie Guard PW immediately after steel has been blasted.
	Repair	Corroded areas should be power tool cleaned to St.3 or Sa.2 or better. Existing systems should be dry and free from loose paint , salt, grease and other contaminants prior to over coating.
	Concrete	Remove porous and less coherent areas by blast cleaning or by using power tools such as chipping hammer. Remove all dust and debris prior to painting.

APPLICATION DATA

APPLICATION METHOD	Airless Spray	Brush
CLEANING/THINNING	Dixie Epoxy Thinner	
THINNER (VOLUME)	5 – 10% (if required)	5%
CONV. SPRAY REQUIREMENTS	Not applicable	

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AIRLESS SPRAY REQUIREMENTS	3000 psi
NOZZLE SIZE	0.025”
MIXING RATIO (FOR CLEAR) BY WEIGHT	Base : Hardener 5 : 1 (Mix thoroughly before use)
POT LIFE @ 30ºC (100 ml)	40 – 45 minutes (reduced at higher temperature) Note: Material may gel at elevated temperature.

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	Dixie Guard PW (as primer)	1 x 100
	Dixie Guard PW	2 x 150

ADDITIONAL DATA

SHELF LIFE @ 30ºC	18 months, in original sealed container, with proper storage conditions.

HEALTH & SAFETY

SAFETY PRECAUTIONS	As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area. This as industrial product, contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.

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STORAGE & HANDLING

STORAGE	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.