DIXIE GUARD S.T.

PRODUCT DESCRIPTION	Dixie Guard S.T. is a two pack surface tolerant, high solids polyamine cured epoxy based coating. It is specially recommended for surfaces, where optimum pretreatment is not feasible. It has good adhesion on various surfaces. It provides excellent corrosion protection in salt as well as neutral fresh water. It is self priming and has good abrasion resistance also.

RECOMMENDED USES	Dixie Guard S.T. is a two pack surface tolerant, high solids polyamine cured epoxy based coating. It is specially recommended for surfaces, where optimum pretreatment is not feasible. It has good adhesion on various surfaces. It provides excellent corrosion protection in salt as well as neutral fresh water. It is self priming and has good abrasion resistance also.

TECHNICAL DATA

COLOUR, DRY FILM	Aluminium (Silver) or Grey
FINISH, DRY FILM	Semi-glossy
VOLUME SOLIDS (ASTM D2697)	85 ± 2%
SPECIFIC GRAVITY	2.00 ± 0.05 (of mix)
THEORETICAL SPREADING	8.5 – 2.8 M2 /LTR
RECOMMENDED DFT (DRY FILM)	100 – 300 Microns/Coat
RECOMMENDED WFT (WET FILM)	118 – 355 Microns/Coat
FLASH POINT	25ºC
FLEXIBILITY	Good
WATER RESISTANCE	Very good
CHEMICAL RESISTANCE	Good
SOLVENT RESISTANCE	Good
ABRASION RESISTANCE	Good

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DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
TOUCH DRY	2 hours
DRY TO RECOAT	12 hours (minimum)
FULLY CURED	3 days

ADVANTAGES

DIXIE **GUARD S.T.**	Self-priming, with good resistance against abrasion. The fully cured film has good adhesion on various surfaces. The applied coating can be overcoated with chlorinated rubber epoxy or polyurethane topcoat.

APPLICATION INSTRUCTION

SURFACE PREPARATION	A power tool cleaning to a min. St2 is recommended for surface preparation. Improved surface treatment will improve the performance. When used over old coating systems, the surface must be sound clean and dry.

APPLICATION DATA

APPLICATION METHOD	Airless Spray	Brush or Roller
CLEANING/THINNING	Dixie Epoxy Thinner (thinner should be added after mixing the component)	
THINNER (VOLUME)	5 – 10%	10%
CONV. SPRAY REQUIREMENTS	Atomizing Pressure : 50 psi	
AIRLESS SPRAY REQUIREMENTS	2200 psi	
NOZZLE SIZE	0.025” – 0.030”	
MIXING RATIO (FOR CLEAR) BY WEIGHT	Base : Hardener 1.5 : 1 (mix thoroughly, keep 10 – 15 minutes)	

POT LIFE @ 30ºC (100 ml)	2 – 3 hours (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 S.T.	2 x 200
	If required can be overcoated with Dixie Guard Topcoat or Dixie Polyurethane Topcoat	

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.

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.

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