DIXIE GUARD EPOXY FLOORING TOPCOAT S.F.

PRODUCT DESCRIPTION	A two pack, chemical resistant, high build solvent free topcoat based on polyamine cured epoxy resin for concrete floors. The fully cured film has good adhesion, excellent chemical resistance, and good abrasion and impact resistances. It provides good resistance to acids and alkali solutions. It is self leveling coating for heavy duty applications.

RECOMMENDED USES	For heavy duty applications for protection of cementitious surfaces. Since it has excellent resistance to chemical and mechanical damages, useful for the flooring applications of workshop, kitchen, breweries, beverage plants and stores, cold storage, garages, malls etc.

TECHNICAL DATA

COLOUR, DRY FILM	Limited Colours	Clear
FINISH, DRY FILM	Smooth, Glossy	Smooth, Glossy
VOLUME SOLIDS (ASTM D2697)	100%	100%
SPECIFIC GRAVITY	1.65 ± 0.05 (mixed) pastel colour	1.09 ± 0.05
THEORETICAL SPREADING	2 M2 /LTR	3 M2 /LTR
RECOMMENDED DFT (DRY FILM)	300 Microns/Coat	300 Microns/Coat
RECOMMENDED WFT (WET FILM)	300 Microns/Coat	300 Microns/Coat
FLASH POINT	>100°C	>100°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
TOUCH DRY	3 – 4 hours

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DRY TO RECOAT	12 – 16 hours (minimum) – 72 hours (maximum)
FULLY CURED	7 days

ADVANTAGES

DIXIE GUARD EPOXY FLOORING TOPCOAT S.F. SYSTEM	Self – leveling, high build with excellent water resistance and chemical resistance. The fully cured film has good abrasion and impact resistances, good adhesion, good resistance to acids and alkali solutions, good abrasion and impact resistance.

APPLICATION INSTRUCTION

SURFACE PREPARATION	New Construction: Concrete floors, to be coated should be allowed to cure for at least 28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content should be less than 5%. Existing Substrate: All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage-surface should be repaired and allow to dry prior to priming.

APPLICATION DATA

APPLICATION METHOD	Airless Spray, Trowel, Roller or Brush (touch-up)
CLEANING/THINNING	Dixie Epoxy Thinner
THINNER (VOLUME)	Ready to use
CONV. SPRAY REQUIREMENTS	Not Applicable
AIRLESS SPRAY REQUIREMENTS	Pressure: 3000 psi
NOZZLE SIZE	0.025” - 0.030”

MIXING RATIO (BY VOLUME)	Base : Hardener Colour 5 : 1 and for Clear 2 : 1
POT LIFE @ 30ºC (100 ml)	15 – 20 minutes

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface. Application temperature and surface temperature between 8°C - 35°C moisture less than 4% mix, required material at a time and apply.	Dixie Guard Primer for Cement Clear	1 coat
	OR	
	Dixie Guard Epoxy Flooring Primer S.F	1 coat
	Dixie Guard Epoxy Flooring Topcoat S.F.	1 – 2 coats
	For antis kidding, spread recommended size aggregates, when first coat is wet. Apply second coat as a topcoat after 8 hours.	

ADDITIONAL DATA

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

HEALTH & SAFETY

SAFETY PRECAUTIONS	As a genetral rule, avoid skin and eye contact by wearing overalls, glove, goggles, and mask 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 mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well ventilated area. This 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.