TILE CLAD II EPOXY

UDF Series (Part A)
UZF V108 (Part B)

DESCRIPTION

Tile Clad II Epoxy is an epoxy/polyamide two pack high performance coating formulated to provide good chemical, bacterial and abrasion resistance for industrial maintenance and architectural application.

RECOMMENDED USES

For use over prepared substrate such as steel, galvanizing and concrete in industrial environments and maintenance areas. Suitable for laboratories, masonry surfaces, offshore structures, storage tanks, institutional and commercial wall coatings, schools, marine applications and chemical process equipments.

CHARACTERISTICS

Color:	Wide range of colors available	
Finish:	Gloss 90 ± 10 units at 60 degrees	
Volume Solid:	45%	
Specific Gravity:	1.21 KGs / ltr	
Recommended DFT:	100 Microns	
Spreading Rate@DFT:	4.60 m^2 / ltr or 17.40 m^2 / US gallon	
Flash Point:	29 ^oC	
Mix Ratio:	1 parts volume of Part A and 1 part volume of Part B	
Sweat-in Time:	30 minutes at 25 ^oC after mixing both parts.	
Drying Schedule: @ 25 ^oC/R.H.50	**Dry to Touch:**	1 Hour
	To Handle:	4 Hours
	To Recoat:	Min. 6 Hours Max. 30 Days
	To Cure:	10 Days
Pot Life:	5 hours @ 25 ^oC. Varies with temperature	
Shelf Life:	18 months, unopened at 25 ^oC	
Reducer/Clean Up:	Epoxy Reducer YTF – K098	

SYSTEM RECOMMENDATION

Iron and Steel (Epoxy Primer):

Tile Clad II Hi-Build Primer	1 Coat	100 Microns DFT
Tile Clad II Epoxy	2 Coats	100 Microns DFT per coat

Steel, Zinc Rich Primer:

Zinc Clad 7 Primer	1 Coat	50 Microns DFT
Tile Clad II Epoxy	1- 2 Coats	100 Microns DFT per coat

Galvanized Steel (Self Prime):

Tile Clad II Epoxy	2 Coats	100 Microns DFT per coat

Aluminum and Galvanized Steel:

Wash Primer Green	1 Coat	7 Microns DFT
Tile Clad II Epoxy	1 – 2 Coats	100 Microns DFT per coat

Poured Concrete/ Tilt –Up Concrete (including floors):

Tile Clad II Epoxy	1 –2 Coats	100 Microns DFT per coat

Previously Painted Surfaces: Surfaces should be free from all foreign material. Old paint films must be brush blasted or scuff sanded prior to coating. Unknown old paint surface should be tested for lifting or peeling. If it does, clean to sound substrate and treat as new surface.

Concrete & Cement Floors: All surfaces must be fully cured. Roughen the surface by sand blasting, shot blasting, mechanical scarification or suitable chemical means. Patch holes, cracks with appropriate filler. The surface should be made free from moisture if any before application of the paint. Test the surface for moisture-free.

*For further information on recommended products please refer to Sherwin Williams Saudi Arabia Painting & Coatings System Guide.

**For further information on surface preparation methods and application procedures please refer to Sherwin Williams Saudi Arabia Surface Preparation bulletin.

APPLICATION PROCEDURES

Surface Preparation: Surface must be dry, clean and in sound condition. Remove oil, dust, dirt, millscale or other foreign substance to ensure good adhesion. Minimum surface preparation methods to be followed for **(1)** Iron and Steel – SSPC-SP3 **(2)** Aluminum and Galvanizing SSPC-SP1 **(3)** Concrete block and Masonry should be cured, cleaned and dry. **(4)** Wood Interior should be clean, smooth, dust free.

Application Methods:

Conventional Spray:	Reduce 12% with epoxy reducer
Airless Spray:	Reduce as required for suitable spray
Brush/Roller:	Reduction not recommended

SPECIAL TIPS

Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new. Excessive reduction of material can affect the film build, appearance, and adhesion. Any further specific technical information can be obtained from SWSA if you email ask@sherwinwilliams.ae

SAFETY PRECAUTIONS

Apply under well-ventilated conditions. Do not breathe or inhale mist. When spraying, wear air mask. Avoid skin contact. Spillage on skin should immediately be removed with suitable cleanser, soap and water. Eyes should be flushed with water and medical attention sought immediately.