

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

(P/N): Epoxy Coating No.1

(Name): Epoxy Coating EP1141 - 003

Customer: N/A
Customer P/N: N/A
Customer Desc: N/A

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Version History

Rev.	Status	Revision Description	Author/Approved	Date
A	Approved	Initial Release	Sha LIU	2016-01-18

PRODUCT DATA SHEET

EP1141-003 Epoxy Mastic Ntc Aluminium

GENERIC TYPE:

Two components modified aluminium pigmented epoxy.

DESCRIPTION:

Epoxy Mastic NTC is a high build coating with excellent adhesion to rusted area and most aged coatings.

RECOMMENDED USES:

Particularly recommended for upgrading old coatings and repainting rusted steel where hand cleaning only is possible. Excellent maintenance system for piping, bridges, tanks, ships and offshore structures, etc.

NOT RECOMMENDED:

Immersion service in acids, alkalies or solvents.

CHEMICAL RESISTANCE GUIDE:

	Immersion	Splash & spillage:	Fumes:
Acids:	NR	Good	Excellent
Alkalies:	NR	Good	Excellent
Solvents:	NR	Excellent	Excellent
Salt water:	Excellent	Excellent	Excellent
Fresh water:	Excellent	Excellent	Excellent

TEMPERATURE RESISTANCE:

Continuous:	120°C
Non- Continuous:	150°C

WEATHERING:

Chalks without suitable topcoat.

SUBSTRATES:

Steel and others substrate as recommended. May be used over most generic type of coatings, which are tightly adhering to substrate including organic and inorganic zinc primers.

TOPCOAT REQUIRED:

Can be topcoated with most generic types. Epoxy, polyurethane and polyaspartic polyurea coats are recommended.

SOLIDS CONTENT:

82 ± 2% by volume.

	Filmthickness per coat: µm		Theoretical coverage: m ² / l
	Dry	Wet	
1	100-300	120-360	8.2-2.7
2	150	185	5.5

1、Recommended DFT.

2、Standard.

COLORS:

Aluminium.

GLOSS:

Semi - gloss.

FLASH POINT:

Part A : 40°C

Part B : 25°C

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS:

Remove any oil or grease with suitable thinner.

STEEL:

Preferably sandblasting. 30 microns surface roughness is necessary.

MIXING:

Mix separately, then combine and mix Part A: B = 4:1 by volume.

THINNER:

Thin up to 15% with thinner EPS1002.

CLEAN UP:

Thinner EPS1002

APPLICATION TEMPERATURES:

	Material:	Surface:
Normal:	15-30°C	15-30°C
Minimum:	5°C	2°C
Maximum:	35°C	75°C

	Ambient:	Humidity:
/ Normal:	15-30°C	35-80%
/ Minimum:	2°C	0%
/ Maximum:	40°C	95%

Do not apply when the surface temperature is less than 3°C above the dew point of the air.

POT LIFE:

2 hours at 20°C and less at higher temperatures.

APPLICATION METHODS:

Nozzle: 0.019 - 0.027 "

Pressure: 140 - 160kg/cm²

Brush or roller for small areas and touch-up only.

RECOATING TIME:

Temp:	Min. time to recoat	Max. time to recoat	Final Cure:
5°C	24 hours	*	18 days
15°C	14 hours	*	14 days
25°C	8 hours	*	6 days
30°C	6 hours	*	4 days

*Best intercoat adhesion is obtained when the subsequent coat is applied before the preceding coat has cured. When the surface is cleaned the subsequent coat can be applied within 1– 2 months depending on the temperature. Higher temperature reduced the recoating interval. Alkyd paints may have reduced adhesion to Epoxy Mastic NTC.

SHEL FLIFE:

1 - 3 years(Depends On Storage Condition).

PACKING:

A /B Component: 16L/4L