

PRODUCT DATA SHEET

DT-111 Quick-drying Polyaspartic Anticorrosive Primer-light gray

GENERIC TYPE:

Composed of polyaspartic polyurea resin and anti-corrosive pigments and fillers , additives. Key resin is produced by own.

DESCRIPTION:

High Solid, Rapid-Drying coating, with excellent adhesion to sand blasting steel.Can normally curing in -10℃. No baking, save energy consumption. Apply vocs 250 g / L and meets the green coating standard.

RECOMMENDED USES:

Particularly recommended for assembly line painting of construction machinery.

NOT RECOMMENDED:

Isocyanate of polyaspartic polyurea is sensitive to water and moisture, which will lead to shorten of pot life.

CHEMICAL RESISTANCE GUIDE:

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

/ TEMPERATURE RESISTANCE:

Temperature	Continuous:	Non- Continuous:
/Dry	60℃	70℃
Submerge	40℃	55℃

WEATHERING:

Topcoat is required.

SUBSTRATES:

Blasted Steel as recommended. Good compatibility with epoxy and acrylic polyurethane system.

TOPCOAT REQUIRED:

Topcoat is required.

SOLIDS CONTENT:

80± 2% by volume.

	μ m		m ² / l
	Filmthickness per coat:		Theoretical coverage:
	Dry	Wet	
1	50-100	63-125	16-8.0
2	80	100	10.0

1、 Recommended DFT.

2、 Standard.

COLORS:

Grey.

GLOSS:

Semi-Gloss.

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS:

Remove any oil or grease with suitable thinner.

STEEL:

30μ m。

Preferably sandblasting. 30 microns surface roughness is necessary.

MIXING:

Mix separately, then use two-component sprayer with combine ratio B:A = 2:1 by volume.

THINNER:。

Two-component sprayer no need thinner. Thin 5-15% for air sprayer. If need, Please note to use Thinner PS1002 Special for polyaspartic polyurea. Epoxy thinners are prohibited.

CLEAN UP:

Clean with thinner PS1002 as soon as possible after spray.

APPLICATION TEMPERATURES:

	Material:	Surface:
Normal:	5-30℃	5-30℃
Minimum:	-10℃	-10℃
Maximum:	60℃	60℃

	Ambient:	Humidity:
Normal:	5-30℃	35-80%
Minimum:	-10℃	0%
Maximum:	40℃	80%

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

POT LIFE:

10 mins at 20℃ and less at higher temperature and humidity.

APPLICATION METHODS:

Nozzle: 0.012 - 0.015 " Pressure:

450-550kpa

Two-component sprayer is recommended. When air spray is apply, Please consult our engineer before using.

RECOATING TIME:

Temp:	Min. time to recoat	Max. time to recoat	Final Cure:
-10℃	3 hours	3 days	14 days
10℃	1 hour	2 days	7 days
30℃	0.5 hour	1 days	7 days

Best intercoat adhesion is obtained when the subsequent coat is applied before the preceding coat has cured. Please recoat not more than Max recoated time, otherwise polish is recommended to ensure adhesion.

SHEL FLIFE:

Paint Party B: 1 - 3 years。

Hardener Party A: 9 months。 (Depends On Storage Condition).

PACKING:

Party B :12.3L/ Party A :6.7L

Note: The technical information for our products are based on laboratory tests and practical experience. As the products are often being used under conditions beyond our control, we can only guarantee for the quality of the material itself. The technical information is subject to change without prior notice.