



U - Primer

Water based Polyurethane Dispersion

Description

SPARTAN U-Primer is a single component water-base polyurethane resin of self emulsification. It is used for hard type industrial coating and water - based surface treatment coating primer.

The film hardness is quite strong and flexibility is quite good. The viscosity stability and water resistance, chemical mechanical stability are excellent.

Characteristics

- Excellent adhesion strength to steel and concrete.
- Excellent bending property and impact resistance.
- Excellent water resistance. Anti - Solvent property Weather resistance, and Cold resistance.
- Low VOC, eco-friendly.
- Not a fire and an explosive dangerousness.
- Suitable for hard coating.

Uses

Surface treatment and working method

- All surfaces to be coated must be thoroughly dry and free from contamination including oil and dirt.
- All cracks shall be fill with polyurethane sealant or resin mortar.

Typical Properties

Item	SPARTAN U - Primer
Appearance	miky white or slightly cloudy
Non-volatile(%)	24 ~ 26
Viscosity (mPa.s, 25°C)	< = 200
pH	7.0 ~ 9.0
Ionic character	Anion
Solubility	water

Coverage

8 - 10m² per kg, subjected to the actual site condition.

Caution on use

- It could happen a crack problem when dried at the room temperature condition after excess application.
- If the contaminants are on the metal surface, the adhesion strength will be decreased.
- Containers must be kept sealed and protected from direct sunlight.
- Temperature higher than 35°C should be avoided. The product is sensitive to frost and must be stored at temperature above 5°C.

Packaging:

Net weight : 18kg (round plastic pail)

Storage stability : 6 - 9 months (temperature 5°C ~ 35°C)