

High Impact Resistance Special Coating

DESCRIPTION

Yurea IR400 is a high performance and high impact resistance special coating generally used for Helmet, Panzer and Building which durability against mechanical impact is required, Yurea IR400 is two-component special kind of polyurea material that has good physical and chemical stability properties and has a high solid content.

FEATURES & BENEFITS

- High impact resistance
- Fast-Set. 10 second gel time, and 10 minutes for walking strength.
- Fast construction speed, vertical and stop section do not sag in the process of continuous spraying.
- Insensitivity. Insensitive to humidity and temperature during construction and decrease the risks of polyurethane easy-foaming.
- No Jointing Work. Adopting spraying technology, continuous and seamless, smooth surface. Excellent corrosion resistance performance. High strength, high elongation and high tear strength can tolerate erosion from water, seawater, acid, alkali and salt.
- Environmental protection. No solvent, construction safety and eco-friendly. Capable of sustaining multiple hits.
- Field repairable.
- Immediately reseals upon penetration.



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TECHNICAL & PERFORMANCE

Physical Data

Form	: Liquid
Application	: Spray
Solid content (%)	: 99
Color	: Any color
Gel time (S)	: > 12
Tensile strenght (Mpa) [DIN 53504]	: > 24
Elongation at break (%) [DIN 53504]	: > 400
Tear strength (KN/m) [ISO 34-1]	: > 90
Artificial weathering aging	: Good
Adhesion (Mpa,steel,primer)	: > 13.1
Abrasion (750g/750r)/mg [EN 13813]	: > 5.2
Impact resistance (kg*m/cm)	: > 1.0
Chemical resistant	: No rust
Salt mist resistance (2000h)	: No blistering, No shedding
Hardness (Shore A) [DIN 53505]	: > 90-95
Density (g/cm ³)	: > 1.01

CLEANING

Tools and equipment just can be clean with Cleaner Yurea no.51 immediately after use.

PACKAGING

Size	Part-A	Part-B
440 kg set	220 kg	220 kg

Mix ratio 1 : 1 by weight

SAFETY PRECAUTIONS

Refer to SDS Sheet before use. Safety precautions must be strictly followed during storage, handling and use.

Disclaimer : All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on order acknowledgement.