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## MC-AT-2 Acrylic polyurethane topcoat

### Product description

MC-AT-2 is a two-component acrylic polyurethane topcoat with hydroxyl acrylic resin and aliphatic isocyanate as the main ingredients. The cured film forms a tough coating with good adhesion and high gloss which has good resistance to chemical and weatherability as well as to industrial atmosphere and acid rain.

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### Recommended use

As topcoat suitable for offshore machinery, large vehicles, instrument and apparatus, etc.

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### Recommended film thickness and spreading rate

Film thickness, dry( $\mu\text{m}$ )	30~70
Film thickness, wet( $\mu\text{m}$ )	60~140
Theoretical spreading rate, $\text{m}^2/\text{l}$	16.7 7.1

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### Basic characteristics

Color	Various color		
Volume Solids, %	50 $\pm$ 2 (white)		
Flash Point, $^{\circ}\text{C}$	30 $\pm$ 2		
Density (mix), g/ml	White	Green	Red
Yellow	1.18 $\pm$ 0.05	1.16 $\pm$ 0.05	1.18 $\pm$ 0.05
1.20 $\pm$ 0.05			
VOC, g/l	420 $\pm$ 10		
Gloss	Glossy or half light		
Gloss retention	Excellent		
Water resistance	Good		
Abrasion resistance	Very good		
Solvent resistance	Good		
Chemical resistance	Good		
Flexibility	Good		

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### Surface preparation

#### Coated surfaces:

Clean, dry and undamaged compatible primer.

Damage areas should be blasted to  $\text{Sa}2 \frac{1}{2}$  or power tool cleaning to the standard St3, and primed.

#### Other surfaces:

The topcoat can be used on other substrates. Please contact our company for more information.

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### Condition during application

Because solvent evaporates faster at higher temperature in summer, dry spray is prone to appear. Care should be taken and use of extra thinner may be necessary to avoid dust-spray.

The temperature of the substrate should be at least 3 $^{\circ}\text{C}$  above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The maximum relative humidity does not exceed 85%. Avoid application in rainy or wet



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Acrylic polyurethane topcoat must be diluted with specified thinner, if not it will affect the quality of the product. During mixing and coating, it is strictly prohibited from contacting with water, acid, alkali, alcohol, etc.. Because the curing agent can react easily with water, alcohol and other substances, the package of unmixed curing agent should be covered tightly after mixing. During application and curing, the relative humidity shall not be greater than 85%.

Condensation occurring on film surface during or immediately after application may result in a matt finish, surface blushing and an inferior film. Before recoating after the film aged, make sure the original coating is fully cleaned and all surface contamination is removed.

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#### **Storage**

Storage conditions are to keep the containers in a cool, dry, well ventilated space and away from source of heat and ignition.

Containers must be kept tightly closed.

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#### **Handling**

Handle with care.

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#### **Packing size**

Component A in an 18 litre container and component B in a 4 litre container, or negotiation.

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#### **Health and safety**

Before and during use of this product, please observe the precautionary notices displayed on the container. Be careful to avoid inhalation and skin contact of paint. Spillage of paint on the skin should immediately be removed with a suitable cleanser, soap and water. Avoid using organic solvent. Eyes should be well flushed with water and then seek medical attention immediately. The product should be used under well-ventilated condition. If using in stagnant condition and narrow place, forced ventilation must be provided, and applicators should take corresponding measures to strengthen personnel protection.

**For detailed information on the health and safety and precautions for use of this product, please consult our company.**

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