
MC-AP-2 Acrylic topcoat

Product description

MC-AP-2 is a one-component topcoat composed of acrylic resin, pigments, and additives. The product exhibits good gloss and color retention with fast drying at low temperature and excellent applicability.

Recommended use

Suitable for the concrete or steel of civil and industrial architecture, also suitable as marking paint of equipment.

Recommended film thickness and spreading rate

Film thickness, dry(μm)	30~60
Film thickness, wet(μm)	86~171
Theoretical spreading rate, m^2/l	11.7 5.8

Basic characteristics

Color	Various color
Volume Solids, %	35± 2
Flash Point, °C	25 ± 2
Density (mix), g/ml	1.04±0.05
VOC, g/l	560 ± 10
Flexibility	Good
Gloss	Half light

Surface preparation

Coated surfaces:

Clean, dry and undamaged compatible primer.

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

Before coating, the last coat shall be completely dry, and free of oil and debris.

Other surfaces:

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

Condition during application

The temperature of the substrate should be at least 3°C above the dew point of the air, and the maximum relative humidity does not exceed 85%, temperature and relative humidity measured in the vicinity of the substrate. Avoid application in rainy or wet weather. Good ventilation is usually required in confined areas to ensure proper drying.

Because of high temperature in summer, solvents evaporate too fast; this will affect the coating appearance.

Application methods

Spray: airless spray or air spray.

Application data

Thinner/Cleaner	MC-AX-1
Recommended airless spray parameters	
Usage of thinner	0~20% (weight)
Pressure at nozzle	15~20 MPa (about 150~200 kg/cm^2) .

Nozzle tip	0.33~0.46 mm.
Spray angle	40~80°
Filter	Check to ensure that filters are clean.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

Good ventilation (Outdoor exposure or free circulation of air)

Typical film thickness

One coat on top of inert substrate

Substrate temperature, °C	0	5	10	23
40				
Surface dry, h	2	1	2/3	1/3
1/6				
Through dry, h	36	24	20	12
6				
Dry to recoat, minimum, h	36	24	20	12
6				

Dry to recoat, maximum*

The given data must be considered as guidelines only. The actual drying time/ recoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. .

Typical paint system

Epoxy primer or MIO epoxy coating		130 μm
Acrylic topcoat	μm	2×40
Other systems may be formulated, depending on specific condition.		

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.

Handling

Handle with care.

Packing size

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

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.