

ACRYLIC FINISH

UNICOPE ACT-HB

1. DESCRIPTION

UNICOPE ACT-HB is a acrylic finish, based on acrylic resin, and can be used as freight container topcoat.

The cured film is high weather resistance, adhesion and other physical properties.

2. USES

Overcoating for new construction and recoating of cargo container, bridge, tank, Steel frame and many other kinds of steel structures.

3. PHYSICAL CONSTANTS

- | | |
|-------------------------------|----------------------------------|
| 1) Color and gloss | : All color-semi gloss |
| 2) Solid by volume | : 43 ± 2 % |
| Solid by weight | : 60 ± 2 % |
| 3) Specific gravity | : 1.2 ± 0.1 (kg/l) |
| 4) Theoretical spreading rate | : 10.75 m ² /l - 40μm |
| 5) VOC | : 504 g/l - 4.2 lbf/gal |

	10°C	20°C	30°C
Dry to touch	8 M	6 M	3 M
Dry hard	5 H	4 H	2 H

*Note : H (Hours), M (Minutes)

4. APPLICATION DETAILS

- | | |
|-------------------|---------------------------------|
| 1) Thinning ratio | : 10~20% (volume) airless spray |
| 2) Thinner No. | : Thinner 200 |
| 3) Nozzle orifice | : 0.017 ~0.021 inch |
| Nozzle pressure | : 150 bar/2100 PSI |
| 4) Film Thickness | |

May be specified in another film thickness than indicated depending on purpose and areas of use

This will alter spreading rate and may influence drying time and recoating interval. Normal range dry is 40 ~ 50 microns for use on containers.

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5. SURFACE PREPATATION

1) New Steel :

Remove all rust and other loose material by abrasive blasting or power tool cleaning. Touch up bare spots with e.g. suitable primer followed by Unicope ACT – HB to full film thickness.

2) Repair and maintenance : Remove oil and grease, etc. with suitable detergent.

Remove salt and other contaminants by high pressure fresh water cleaning.

Remove all rust and other loose material by abrasive blasting or power tool cleaning. Touch up bare spots with e.g. suitable primer followed by Unicope ACT – HB to full film thickness.

6. RECOATING INTERVAL

Minimum interval for recoating (20 °C/68 °F) is 8 hours.

Can be recoated when dry. No maximum recoating interval, but before recoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow to dry.

7. CHEMICAL RESISTANCE

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Good	Good	Poor	Good	Excellent
Fumes	Excellent	Excellent	Poor	Good	Excellent

8. TEMPERATURE RESISTANCE

The coating will withstand dry heat to 66 °C

9. STORAGE

1) Shelf temperature : -10°C ~ 40°C

2) Shelf life : 12 months (at 20°C / 68 °F)

3) Flash point : 24 °C / 75 °F (closed cup)

10. PRECAUTION

This product is combustible.

- 1) Keep away from heat and open flame.
- 2) Keep container closed.
- 3) Use with adequate ventilation.
- 4) Avoid prolonged breathing of vapor.
- 5) Avoid prolonged and repeated contact with skin.
- 6) Store in a cool and dark place.