

UNY MARINE HS FINISH SILVER

(UM HS S)

PRODUCT DESCRIPTION

UNY MARINE HS FINISH SILVER, based on a combination of acrylic polyol and non-yellowing type polyisocyanates resin pigmented with aluminum pigments, is a polyurethane finish coat.

It has the following advantages;

1. Excellent durability while maintaining tough paint film for a long term.
2. Excellent weather resistance(gloss retention)
3. Excellent adhesion to preceding coats.
4. Excellent physical properties such as toughness, impact and abrasion resistance.
5. Excellent resistance to oil and chemicals.
6. Re-coatable

TECHNICAL DATA

| | | | | | |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------|---------|---------|
| Type | Polyurethane silver finish paint | | | | |
| Recommended Use | As a finish coat of epoxy/polyurethane system, such as plants, bridges, exterior of oil storage tanks and steel structures | | | | |
| Type of binder | Acryl polyol / Isocyanate resin | | | | |
| Mixing Ratio | Base : Paste : Hardener = 81 : 18 : 21 (by volume) | | | | |
| Color | Silver | | | | |
| Flash Point | Base : 18.0 °C, Paste : 43.3 °C, Hardener : 29.5 °C | | | | |
| Solids by Volume | 44% ± 2 (Test Method : ISO-3233) | | | | |
| VOC | 483 g/l (EPA Method24), 530 g/l (Korea Air Conservation Act) | | | | |
| Coverage(Theoretical) | 17.5 m ² /l [0.057 l/m ²] | | | | |
| Wet Film Thickness | 57 μm | | | | |
| Dry Film Thickness | 25 μm | | | | |
| Drying Time (at D.F.T. 25μm) | Temperature | 5°C | 10°C | 20°C | 30°C |
| | Surface Dry | 50 min | 30 min | 20 min. | 10 min. |
| | Hard Dry | 12 hrs. | 8 hrs. | 6 hrs. | 4 hrs. |
| Painting Interval (at D.F.T. 25μm) | Minimum | 12 hrs. | 8 hrs. | 6 hrs. | 4 hrs. |
| | Maximum | - | - | - | - |
| Pot Life | | 24 hrs. | 20 hrs. | 16 hrs. | 8 hrs. |
| Thinner | UNY MARINE THINNER, URETHANE THINNER A | | | | |
| Method of Application | Airless spray, Brush, Roller | | | | |
| Condition of Application | Temperature | : Minimum 0 °C | | | |
| | Humidity | : Maximum 85 % R.H. | | | |
| | For Airless spray ; | | | | |
| | Tip No. | : GRACO 515, 615, 715 | | | |
| | Paint output pressure | : 14.7 – 17.7 MPa | | | |
| | Viscosity | : 30 - 50 sec.(Ford Cup No.4) | | | |
| Preferable Preceding Coats | BANNOH Series, UNIVAN HS PRIMER, EPICON MARINE UNDERCOAT M, etc. | | | | |
| Preferable Subsequent Coats | - | | | | |
| Packaging | Three pack product | | | | |

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.

TECHNICAL DATA (at 25 μ m)

| Item | | Temp (°C) | | | | | | | | | |
|-----------------------------|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | - | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Set to touch | | - | 80m | 50m | 30m | 25m | 20m | 15m | 10m | 8m | 6m |
| Dry to recoat | Min. | - | 24H | 12H | 8H | 7H | 6H | 5H | 4H | 3H | 2H |
| | Max. | - | - | - | - | - | - | - | - | - | - |
| Dry to hard | | - | 24H | 12H | 8H | 7H | 6H | 5H | 4H | 3H | 2H |
| Dry to immerse | Body | - | - | - | - | - | - | - | - | - | - |
| | Touch-up | - | - | - | - | - | - | - | - | - | - |
| Dry to Touch-up | | - | - | - | - | - | - | - | - | - | - |
| Pot life | | - | 30H | 24H | 20H | 18H | 16H | 12H | 8H | 7H | 5H |
| Shelf life (M) | | - | 12M |
| Max. heat resistance | | Non-continuous: 120°C | | | | | | | | | |

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute

Notes :

1. The performance of hardener decrease reacting with moisture, please handle with care.
2. Initially, paste and small amount of base should be pre-mixed, after pre-mixed all base and hardener should be mixed into initial pre-mixed material. Always mix a complete unit in the proportions supplied. Then add appropriate thinner and mix thoroughly.
3. If dry surface is rubbed, slight aluminum pigment attachment can be expected.

RECOMMENDABLE SURFACE PREPARATION

All surfaces to be free from various contaminants (oil, grease, dust, spray dust and etc.) and keep surfaces dry. Kindly consult CSP sales office for specific information.

SAFETY PRECAUTIONS

In order to ensure safe use of our product, please be sure to follow the safety precautions indicated on the SDS and the paint container. If you need further explanation, do not hesitate to consult our personnel or our local distributors before buying, opening, using, or disposing the product. Since product contains flammable materials, keep away from sparks and open flame. No smoking should be permitted in the area on painting.

Wear an appropriate protector (eye and face protection, protective clothing, barrier creams, etc) when mixing, applying, or drying the paint. If products come into contact with the skin, wash thoroughly with warm water and soap or suitable cleaner. If the eyes is contaminated, irrigate with water and seek medical advice immediately.

DISCLAIMER

The information, including data, specifications, directions and recommendations, contained in this Data Sheet describes the experiment results under controlled or specially defined conditions and we do not guarantee that the Products, when used under the actual conditions of any intended use, will produce the same results. The performance of the Products in their actual use is affected by various factors, and the User must judge whether the Products are suitable for specific uses. We do not guarantee the performance of the Products under any specific operation environment other than the performance of the Products under the conditions described in this Data Sheet.

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