Coating and Performance

Coat thickness: 10μ

TEST ITEMS	TEST CONDITIONS	RESULT
Gloss Level (60°C)	60°C specular gloss	65 - 70
Adhesion Test	On a 1mm x 100 square grid cellotape peeling test (adhesion count) /100	100/100
Pencil Hardness Level	Mitsubishi Uni pencil used	2H - 5H
Water Resistance Test	50°C soaking in warm water, 240 h cellotape peeling test (adhesion count/100)	100/100
Acid Resistance Test	20°C 5% aqueous sulphuric acid solution, appearance after soaking for 24hrs	No abnormalities
Alkali Resistance Test	20°C appearance after soaking in a saturated aqueous calcium hydroxide solution for 72 hrs	No abnormalities
Flex Resistance Test	15mmφ bend tester rod, bend at 180°C	No abnormalities
Impact Resistance Test	Du Pont formula R = 12.7 mm W = 2.9 N (0.3 kgf) H = 0.5 m (front reverse)	No abnormalities
Abrasion Resistance	Taber Abrasion wheel CS10, 4.90 N × 1000 revolution	No weight reduction
Combustibleness	Burn the surface of the coating with a gas burner	Not flammable
Weather Resistance Test	Sunshine weather meter 3000 h, gloss retention	80% and above
Antifouling Performance	Initial lacquer spray removal performance*	No abnormalities
Antifouling Performance	Lacquer spray removal performance after sunshine type weather meter 2000 h*	No abnormalities

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Minimum Curing Period

Temperature	5°C	10°C	20°C	30°C	80°C	140°C
Curing period	10 days	7 days	3 days	4 days	1 day	30 mins

- If solvent is applied during the curing period there may be problems such as peeling, shrinkage or blistering.
- Touch dry 1hr - until effective usually 6 hrs

After compounding use within:

Temperature	5°C	10°C	20°C	30°C
Usability Period	9 hrs	6 hrs	2 hrs	1hr

- After mixing, if the product is left open a skin will form, so always put the lid on.

Cautions

1. Handle the product with caution when in a liquid state, as it is highly flammable and may ignite if exposed to flames or gas build-ups, especially when using a spray gun.
2. Ensure the treatment area is free from oil and moisture to prevent whitening, ineffective coating, and peeling; clean the area thoroughly before application.
3. Avoid applying the product within 24 hours of potential moisture exposure, such as rain.
4. Mix the main liquid thoroughly before use to ensure a uniform consistency.
5. Store the curing agent tightly sealed in a cool place to prolong its shelf life.
6. Mix the base with the curing agent in a 1:1 ratio just before use, and blend thoroughly.
7. After mixing, replace the lid to prolong its shelf life.
8. Apply additional coats while the first coat is still tacky; if allowed to dry out, subsequent coats may become repellent.
9. For repair work, sand off the top layer of the coating and reapply for a smooth finish.
10. Clean tools and equipment frequently with IPA (isopropyl alcohol) to prevent residue buildup.