NP AI CLEARCOAT

Jan'26

Two component acrylic urethane clear with good toughness, flexibility & mirror like reflective properties. Provides extra protection on original automotive paint from stone chips, scratches, stains & extreme outdoor condition with harsh UV radiation with the combination of NP AI Topcoat.

Product Features:

- Mirror like reflective properties & excellent gloss retention
- Good hardness & scratch resistance
- Re-flow properties after minor scratches
- Excellent chemical & UV resistance

Paint Type	Product Type	Recommended Substrate	Pack Size
Solvent based	Automotive	Steel/ Galvanized Steel with NP AI Topcoat	1L base 500ml hardener

Mixing Ratio

NP AI Clearcoat	: 2 parts	(By weight)
NP AI Clear Hardener	: 1 part	(By weight)
NP AI Thinner	: 10-20%	(By weight)

Technical Data

Drying Time	Air dry at 30 °C – 35°C	Low bake setting at 60°C
Dust Dry	40-50 minutes	-
Dry To Handle	4 hrs	30 minutes
Dry To Polish	8 hrs	1 hrs after cooldown

Between Coats : 10-15 minutes at 30°C

Dry Film Thickness : 40-60 µm

No. of Coats : 1.5-2 coats

Polishing : Dust and minor imperfections can be polished out after 8 hours air-dry times or after a one hour cool down time following the full bake at 60°C temperature. Carefully sand out dust particles and restore the surface according polishing recommendations.

Theoretical Coverage : 9.1m²/litre RTS mixture at 40-60 µm

Notes *The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstances.*

Shelf Life :

NP AI Clearcoat	3 years
NP AI Clear Hardener	2 years
NP AI Thinner	2 years

Minimum storage temperature: 5°C (41°F), Maximum storage temperature: 35°C (95°F)

Pot Life after mix @ 30°C : 4 hours

Application Method

Spraying Recommendation :

Spray-gun type	Nozzle size	Application pressure
LVLP Gravity	1.3-1.4 mm	1.7-2.2 bar at the spray gun air inlet
HVLP Gravity	1.3-1.4 mm	(HVLP: max 0.6-0.7 bar at the air cap)

Spraying Viscosity @ 30°C : 14-16 sec (Ford#4 Cup)
11-13 sec (Iwata NK#2 Cup)

Surface Preparation

Ensure surface cleanliness, remove any wax,tar or other substances on the surface by sanding before apply NP AI Clearcoat on top of NP AI Topcoat for optimum protection & performance.

Polishing

Dust and minor imperfections can be polished out after 8 hours air-dry times or after a one hour cool down time following the full bake at 60°C temperature. Carefully sand out dust particles and restore the surface according polishing recommendations.

Cleaning

Clean up equipment with solvent borne gun cleaners.

Safety Precautions

- Keep container tightly closed and keep out of reach from children or away from food and drink.
- Ensure good Ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose of any paint waste in accordance with the appropriate Environment Quality Regulations.