NP AI TOPCOAT

Updated Jan'26

Liquid two component paint protective film apply by spraying. Provides extra protection on automotive paint from stone chips, scratches, stains & extreme outdoor condition with harsh UV radiation with the combination of AI Clear.

Product Features:

- Excellent chemicals & UV Resistance
- Good scratch & stone chipping resistance
- Good hydrolysis resistance
- Good peelability from painted surface
- Good workability & easy to spray
- Fast drying

Paint Type	Product Type	Recommended Substrate	Pack Size
Solvent based	Automotive	Original automotive paint/Refinish Paint	3Kg topcoat hardener 1Kg topcoat base

Mixing Ratio

AI Topcoat Hardener (Part A)	: 3 parts (By weight)
AI Topcoat Base (Part B)	: 1 part (By weight)
AI Thinner	: 5% (By weight)

Technical Data

Drying Time

Air dry at 30 °C – 35°C	Low bake setting at 60°C
Dust Dry: 10 - 15 minutes	-
Dry To Handle: 1 hr	30 minutes
Dry To Sand: 8 hrs	1 hr after cooldown

Dry Film Thickness	: 180-200 µm
Between Coats	: 10-15 minutes
Working Temperature	:25-35 °C
Working Humidity	:55-85% RH
No. of Coats	: 4 coats
Polishing	: Dust and minor imperfections can be sanded 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	: 0.24m²/litre RTS mixture at 180µm
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	:
AI Topcoat Hardener (Part A)	*9 months (original sealed container)*
AI Topcoat Base (Part B)	*9 months (original sealed container)*
AI Thinner	2 years (original sealed container)
Minimum storage temperature: 5°C (41°F), Maximum storage temperature: 30°C (95°F)	
Pot Life after mix @ 30°C	: 3 hours

Application Method

Spraying Recommendation : **Spray-gun type** | **Nozzle size** | **Application pressure**

Spray-gun type	Nozzle size	Application pressure
LVLP Gravity	1.3-1.4 mm	1.7-2.0 bar at the spray gun air inlet

Spraying Viscosity @ 30°C : 16-18 sec (Ford#4 Cup)
14 -16 sec (Iwata NK#2 Cup)

Surface Preparation

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

Polishing

Dust and minor imperfections of AI Topcoat can be sanded 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 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.