NIPPON PAINT

TECHNICAL DATA SHEET

NP ULTRA 8200F HS 2K CLEAR

Updated Jan '24

High performance two component acrylic urethane clear with excellent build and gloss. This product is specially designed full car respray with providing excellent weathering durability & chemical resistance.

Product Features:

- Suitable for Full Car Respray
- Excellent build and gloss
- Good hardness
- Excellent chemical & UV resistance

Paint Type	Product Type	Recommended Substrate	Pack Size
Solvent based	Automotive	Steel/ Galvanised Steel with NP 8000 series base coat	1L Litre base with 500ml hardener

Mixing Ratio

NP Ultra 8200F HS 2K Clear	: 2 parts
NP Ultra 820F HS 2K Hardener	: 1 part
NP Auto Refinish 2K Thinner	: 10-20%

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	5 hrs	30 minutes
Dry To Polish	8 hrs	1 hrs after cooldown

Between Coats : 5-10 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 Ultra 8200F HS 2K Clear	3 years
NP Ultra 820F HS 2K Hardener	2 years
NP Auto Refinish 2K 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

Solvent Content : The VOC content of this product in ready to use form is max 551 g/litre

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 : 15-17 sec (Ford#4 Cup)
11-13 sec (Iwata NK#2 Cup)

Surface Preparation

All surfaces must be clean and dry. Apply primer (optional) followed by Nax Premila 8000 series basecoat, followed by NP Ultra 8200F HS 2K Clear

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 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.