



HiQ Premium Clear Coat (TC-5300)

Automotive Refinishes

Version 1.0

PRODUCT DESCRIPTION

Description

HiQ Premium Clearcoat(TC-5300) is an extremely productive urethane clear designed for a range of repair applications from single to multi-panel where speed is essential. So, this product offers increased productivity.

Premium clear coat is an automotive refinishes paint which provides superb appearance, gloss and good durability. It is 2:1:0.2 two-component acrylic urethane clearcoat .

Suitable Substrates

HiQ Basecoat

OEM Finishes

Fully-hardened two-component clearcoat (urethane, epoxy, etc.)

Something made of plastic (bumper and the like)

Product configuratin

Product name	PACK (ℓ)	Contents (ℓ)	Storage
HiQ Premium Clear Coat (TC-5300)	4.0	3.99	24 months
HiQ Urethane Hardener (CCH-500, 530, 550)	1.0	1.0	12 months
HiQ Urethane Reducer DR-421 Series	4ℓ , 16ℓ	4ℓ , 16ℓ	24 months

* Shelf Life (reference temperature: 20 °C) is the shelf life of each product before mixing.

Mixing Viscosity

15~17 sec. Ford Cup #4 (20~21 sec. Zahn Cup #2) at 77°F (25°C)

Pot Life

4 hour at 77°F (25°C) after mixing

Hardner


	Temperature			
	5~15°C	10~25°C	20~35°C	30°C or above
PATIAL COATING	CCH-550	CCH-500	CCH-530	CCH-530
1 PANEL	CCH-550	CCH-500	CCH-530	CCH-530
2~3 PANEL	CCH-550	CCH-500	CCH-530	CCH-530
multi-panel	CCH-500	CCH-530	CCH-530	CCH-530


Reducer


	Temperature				
	5~15°C	10~25°C	20~35°C	30°C 이상	40°C 이상
Reducer	DR-421W	DR-421WS	DR-421S	DR-421R	DR-421ER


APPLICATION GUIDE


Use

Surface Preparation  After the first base coat paint to dry enough and remove the dirt, then paint clearcoat

Mixing Ratio		Product name	Mixing Ratio
		HiQ Premium Clear Coat (TC-5300)	2
		HiQ Urethane Hardener (CCH-500, 530, 550)	1
		Reducer	0.2

Spray Condition  2.0~3.4 bar (gravity feed)
2 wet coats keeping 20~25cm from the surface
Fluid tip : 1.2~1.6mm, D.F.T.=40~60μm

 2.4~3.8 bar (siphon feed)
2 wet coats keeping 20~25cm from the surface
Fluid tip : 1.4~1.8mm, D.F.T.=40~60μm

 HVL P
0.5~0.7 bar @ the gun cap
2~3 wet coats

D.F.T.=50~60µm(2~2.5miles)/ 1.2~1.5mm



Flash time : 3 min
Set time : 5 min



Dry to deliver time
2.5hrs/20°C (68°F)
10minutes/60°C (140°F)



Protective Equipment inhaling or being exposed to steam.

■ Dry information

	TEMP	TIME	TEMP	TIME	Remark
Set Time	25°C	0.5min			
Time to handle	25°C	12 hr	60°C	30min	After Cooling
Through dry	25°C	48 hr	60°C	30min	After Cooling
Time to polish	25°C	7 hr	60°C	20min	After Cooling

ADDITIONAL INFORMATION

■ Recoatability

- 1) 2 hours at ambient temperature after force dry
- 2) Sand and wipe off the dust with DR-180 before recoating.



Dry sand P800



Wet sand P400 - P500

■ Blending



Product : HiQ Blending Reducer (DR-500)
Spray pressure : 2 bar
Number of coats : 1~2 coats

- 1) Apply clearcoat.
- 2) On the second application, apply wider than the first application area.
- 3) Dilute blending reducer by the portion of 1:1 and apply once wider than the previous application area.
- 4) Melt the edge of the previous coat using blending reducer.

■ VOC Content

VOC content of 4.2lbs/gal (500g/liter).

■ Notice

1. Eliminate completely the moisture of applying equipment before apply because two-component urethane coats react with moisture. Cleanse immediately after application not to have any leftover on equipment.
2. Put a lid on the product after apply and keep it away from direct sunlight and moisture.

■ Health and Safety

1. Be well-informed of MSDS before use.
2. Follow all the directions labeled on the container.
3. For safety reasons, work in the fully-ventilated place.
4. Wear safety glasses, coveralls and latex gloves when mixing and applying.

This data sheet is based on the test results and experiential bases of NOROO but might vary with the actual working environment and applying condition. This data is the intellectual property of NOROO Paint thus copying and distribution without permission are prohibited. For more information, please contact the technical team or refer to our homepage (<http://www.autorefinishes.co.kr>).