



HiQ MIRACLEAR

Version 24.03

PRODUCT DESCRIPTION

■ Outline

HiQ MIRACLEAR is a fast drying urethane clearcoat designed for quick repairs where speed is essential. It offers fast flash and polishing times with good quality.

HiQ MIRACLEAR is easy to apply and a high gloss acrylic urethane system with excellent durability.

■ Suitable Substrates

HiQ basecoat colors (metallic/solid/pearl)

Bodyian basecoat colors (metallic/solid/pearl)

WATER Q waterbased system (metallic/solid/pearl)

OEM finishes

Thoroughly dried two-component coats (urethane, epoxy, etc.)

■ Product Configuration

Product Name	Pack(ℓ)	Contents(ℓ)	Storage
HiQ MIRACLEAR	4.0	4.0	24 months
HiQ Urethane Hardener CCH-225	1.0	1.0	12 months

* Standard temperature of storage is 20°C.

■ Mixing Viscosity

13~15 sec. Viscosity(A+B) Ford Cup #4 at 77°F (25°C)

■ Pot Life

2 hours at 77°F (25°C) using Standard Hardner

■ Hardener

	Temperature			
	5~15°C	10~25°C	20~35°C	30°C or above
Spot repair	CCH-225F	CCH-225	CCH-225	CCH-225S
1~2 panel repair	CCH-225F	CCH-225	CCH-225S	CCH-225S
Multi panel repair	CCH-225F	CCH-225	CCH-225S	Non applicable

APPLICATION GUIDE

■ Use

Surface
Preparation



Apply clearcoat after applying basecoat and wiping off the dust in the fully-dried condition.

Mixing
Ratio



Product Name	Mixing Ratio
HiQ MIRACLEAR	2
HiQ Urethane Hardener CCH-225	1
Reducer : DR-421 Series	0~0.1

* Mix by volume.

Spray
Condition



1.8~2.5 bar
2 wet coats keeping 15~20cm from the surface
Fluid tip : 1.3~1.4mm, D.F.T.=50~60μm



Flash time : 5 min
Set time : 10 min

Protective
Equipment



Use fresh air mask or charcoal respirator to avoid inhaling or being exposed to fumes.

■ Drying Times

	Temp.	Time	Temp.	Time	Remark
Time to dust free	25°C	30~40 min			
Time to polish	25°C	4~5 hrs	60°C	15 min	
Time to handle	25°C	6~8 hrs	60°C	15 min	
Time to stipe	25°C	6~8 hrs	60°C	15 min	

(*) If coats are thicker, the drying schedule will be delayed.

ADDITIONAL INFORMATION

■ Recoatability

- 1) Recoatable time : 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-600)

Spray pressure : 2 bar

Number of coats : 1~2 coats

- Procedure :**
- 1) Apply HiQ MIRACLEAR.**
 - 2) On the second application, apply wider than the first application area**
 - 3) Dilute HiQ MIRACLEAR with DR-600 by the portion of 1:1 and apply once wider than the previous application area.**
 - 4) Melt the edge of the previous coat using DR-600.**

■ **VOC Content**

VOC content of 4.88lbs/gal (585g/liter)

■ **Notice**

- 1. Completely eliminate the moisture of spray equipment before use because two-component urethane coats react with moisture. Cleanse immediately after application not to have any leftover on spray 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.**

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