



# HiQ MIRACLEAR

Version 1.0

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## PRODUCT DESCRIPTION

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### ■ 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
- OEM finishes
- Aged refinishes

### ■ Product Configuration

Product Name	Pack(ℓ)	Contents(ℓ)	Storage
HiQ MIRACLEAR	4.0	4.0	12 months
HiQ Urethane Hardener CCH-225	1.0	1.0	6 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

4 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



2.0~3.0 bar (gravity feed)  
2~3 wet coats keeping 20~25cm from the surface  
Fluid tip : 1.2~1.5mm, D.F.T.=40~60 $\mu$ m



3.0~4.0 bar (siphon feed)  
2~3 wet coats keeping 20~25cm from the surface  
Fluid tip : 1.4~1.6mm, D.F.T.=40~60 $\mu$ m



0.6~0.7 bar (at nozzle)  
2 wet coats keeping 20~25cm from the surface  
Fluid tip : 1.3~1.5mm, D.F.T.=40~60 $\mu$ m



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
Set time	25°C	10 min			
Time to handle	25°C	3 hrs	60°C	30 min	at cool down
Thorough dry	25°C	8 hrs	60°C	30 min	at cool down
Time to polish	25°C	4~5 hrs	60°C	30 min	2 hrs after cool down

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

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## ADDITIONAL INFORMATION

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### ■ 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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