



HiQ MIRACLEAR

Version 1.0

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
- OEM finishes
- Aged refinishes

■ 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

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 μ 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 μ 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 μ 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.

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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