

# Clearcoat MS-2002

## PRODUCT DESCRIPTION

A two-component, urethane clearcoat used in multi-panel and overall refinishing of OEM base and clear finishes, MS-2002 provides excellent application and durability. It works well in all drying conditions, including cross-flow and downdraft booth conditions.

## READY TO SPRAY VOC (2:1) CLEARCOAT

MS-2002 yields a VOC content of: 4.7 lb/gal (570 g/liter)

## SUITABLE SUBSTRATES

- OEM Finishes
- BASECOAT Colors
- Aged refinishes

## MIXING RATIO

2  + 1 

MS-2002 must be activated.

Mix two (2) parts MS 2002 to one (1) part hardener (2:1). MS 2002 may be reduced up to 10% with DR-421 reducer.

## HARDENERS

Fast CCH-250

Medium CCH-200

Slow CCH-230



# Clearcoat MS-2002

## APPLICATION



Use fresh air mask or charcoal respirator



Mixing Ratio (vol)  
2:1 (clear:hardener)



55 P.S.I./4 bar (gravity feed)  
2~3 wet coat  
D.F.T=2~2.5 mils/1.2~1.5 mm



70 P.S.I./5 bar (siphon feed)  
2~3 wet coat  
D.F.T=2~2.5 mils/Nozzle 1.4~1.6 mm



Set time  
10~20 minutes



Dry to deliver time  
10 hrs/70° F (20° C)  
30 minutes/160° F (70° C) or  
20 minutes/180° F (80° C)



Finishing sand with 600 grit



Finishing sand with 400 grit



**SPRAYING VISCOSITY:** 13~15 sec. Ford Cup #4  
(17~20 sec. Zahn Cup #4) at 75° F (25° C)



**POT LIFE:** 6 hours at 75° F (25° C) using CCH-200



**RECOATABILITY:** MS-2002 can be recoated with itself at any stage. Sanding will become necessary when recoating 12 hours after application of the clearcoat.



## DRYING SCHEDULE

Air dry times (50% RH)	Dust free	To deliver
CCH-250 50° F (10° C)	30 mins	8 hrs
CCH-200 70° F (20° C)	35 mins	10 hrs
CCH-230 85° F (30° C)	45 mins	12 hrs

Force dry times	CCH-250	CCH-200	CCH-230
140° F (60° C)	30 mins	40 mins	50 mins
160° F (70° C)	25 mins	30 mins	40 mins
175° F (80° C)	20 mins	20 mins	30 mins



## RECOMMENDED DRY FILM THICKNESS:

2~3 mils



**CHOOSE HARDENER:** Choose the clearcoat hardener CCH-200 series that best fits the repair size and shop temp.

Size of repair	CCH-250	CCH-200	CCH-230
1~2 panel	50~70° F (10~25° C)	70~95° F (25~35° C)	85~110° F (30~45° C)
multi panel	40~70° F (5~20° C)	70~85° F (20~30° C)	75~105° F (25~40° C)
complete refinishing	40~50° F (5~15° C)	50~75° F (15~25° C)	75~95° F (25~35° C)



## HEALTH AND SAFETY

Please refer to Material Safety Data Sheet and labels for additional safety information and handling instructions.

- Read all label directions before use.
- Refer to MSDS for specific information.
- Wear a NIOSH approved air purifying respirator when mixing and applying.
- Wear a NIOSH approved dust particulate mask when sanding.
- Wear safety glasses, coveralls, and latex gloves when using product.
- Keep out of reach of children.

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