

823-50 HIGH SOLID CLEAR COAT



MIXLAB High Solid Clear Coat designed for premium refinishing work with enhanced gloss depth, smooth flow, and fewer coat per application.

WETLOOK DEPTH

Deeper gloss depth with rich wet-look clarity

FLOW & LEVELING

Smooth film formation, fined atomization

DURABILITY

Smooth film build with refined flow and atomization

ADAPTIVE CURING

Optimized curing flexibility for varying application conditions

Recommended for:

- Deep wet-look gloss for premium refinish results
- High solid build for fewer coats and faster coverage
- Ideal for full body and panel applications

PERFORMANCE

RTS Solid Content	50% (Without reducer)
NCO / OH Index	1.20
Gloss Level (60° GU)	96
DOI	≥ 92

APPLICATION

Mixing Ratio	2 :1 (Clear base : Hardener)
Viscosity (NK2 @ 30°C)	24 - 25s (Initial mixing)
Recommended DFT	60 - 70µm
Maximum DFT	80µm

PHYSICAL

Product Type	2K Acrylic Polyurethane
Density (Base - Hardener)	0.98 g/ml - 1 g/ml
Appearance	Glossy
Available Packaging	1.5L and 750ml set
Storage	Store in a dry place 22°C - 30°C
Shelf Life	12 months (unopened packaging)

PREPARATION & MIXING REFERENCE



Mixing Ratio (2:1 + 10 ~ 20%)

100%	Clear base
50%	Hardener
+10 ~ 20%	Reducer

Surface : Clean & dry. Degreased using appropriate surface cleaner

Apply over: Fully cured basecoat, OEM sanded surface

Recommended temperature: 25 ~ 32°C

Relative Humidity: 60 ~ 70%

Pot Life : 1 ~ 3 hours depending on temperature and reducer type

APPLICATION



Spraying

Nozzle size	1.0 - 1.5 mm
Air pressure	1.7 - 3 bar
Coats	Refer to the table below

Spraygun Nozzle Size	Reducer Amount	Estimated Viscosity (NK2)	Coats
≥ 1.0 mm	20%	12 - 13s	3 coats
≥ 1.2 mm	15%	14 - 15s	2 - 3 coats
≥ 1.3 mm	10%	16 - 17s	2 coats

REDUCER SELECTION REFERENCE TYPES, FLASH OFF & DRYING TIME

Room Temperature Humidity : 60 ~ 70%		AFR10 Normal Dry	AFR15 Medium Dry	AFR25 Slow Dry	AFR35 Extra Slow Dry	Caution: Drying table is based on 10% reducer. Higher reducer loads require more time for solvent evaporation, significantly will extending full dry and polish ready time. Force Dry at 60°C 30 - 45 minutes Note: Allow 10 mins airflow after tack-free before baking/UV. For full body, use 1 step slower reducer.
25 - 30°C	Flash Off	3 - 5 min	5 - 8 min	10 - 15 min	20 - 25 min	
	Dust Free	15 - 20 min	20 - 25 min	30 - 35 min	40 min	
	Tack Free	30 min	40 min	1 hour	2 hours	
	Polishable (Air Dry)	10 hours	14 hours	16 hours	24 hours	
≥ 30 °C	Flash Off	2 - 3 min	4 - 7 min	5 - 10 min	5 - 10 min	
	Dust Free	10 - 12 min	15 - 20 min	20 - 25 min	30 min	
	Tack Free	20 min	30 min	40 min	60 min	
	Polishable (Air Dry)	8 hours	12 hours	14 hours	20 hours	

For best results use MIXLAB reducer. Using low-quality reducers may cause gloss drop, longer cure time, popping or cratering.

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SAFETY INFORMATION

Use only in well-ventilated areas

This product contains isocyanates and flammable solvents.



Personal Protective Equipment (PPE) is required:

- Organic vapor respirator (A2 or equivalent)
- Protective gloves (nitrile recommended)
- Safety goggles
- Protective clothing

Avoid:

- Inhalation of vapors or spray mist
- Skin and eye contact
- Exposure to moisture contamination in hardener

Keep away from:

- Heat, sparks, and open flames
- Direct sunlight
- Sources of ignition

In case of contact:

- **Skin** – Wash immediately with soap and water
- **Eyes** – Rinse cautiously with clean water for several minutes
- **Inhalation** – Move person to fresh air immediately