



TECHNICAL DATA SHEET

FOR PROFESSIONAL USE ONLY

C38 VHS 2:1

2K URETHANE CLEARCOAT

PRODUCTS

C38 2K Urethane Clearcoat VHS 2:1

Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C38 Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C38 Hardener SLOW 1:2 for 2K Urethane Clearcoat VHS C38

Urethane Reducer MASTER

PRODUCT DESCRIPTION

C38 VHS 2:1 combines fast drying time (3 hours at 60°F touchh dry) with long pot life, which allows the application on small elements as well as the overall painting of car bodies. Features very high solids content (> 55%), excellent flow with no tendency to run, very good overspray absorption, high gloss and excellent depth.



COLOR: transparent

GLOSS GRADE: very high gloss

VOLATILE ORGANIC COMPOUNDS

VOC for the mixture 2:1 with 5% of reducer = 405 [g/I] - 3,38 [Ib/gaI]

SURFACE PREPARATION

Urethane clearcoats can be applied over:

Basecoats.

USE

Properly cleaned and sanded OEM finishes.

For application over recommended basecoat system:

- Allow basecoats sufficient dry times.
- Over OEM sand finish dull with P800 or gray scuff pad.

APPLICATION PROCESS



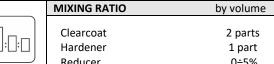
NUMBER OF COATS & SPRAY GUN SETTINGS

1.5 coats - one medium (thin) coat followed by one full coat, with a 2-minute flash-off time between coats, to achieve a dry film thickness of 50–60 μ m (2.0–2.4 mils).

2 coats: 2 full coats, total dry film thickness of 60÷75 μm (2.4-3.0 mils)

Compliant (RP) spray gun: 1.2÷1.4mm; Pressure of input: 29÷32 psi (2.0÷2.2 bar)

HVLP spray gun: 1.3÷1.4mm; Inlet pressure: 26÷29 psi (1.8÷2.0 bar), Air cap pressure: 9÷10 psi (0.6÷0.7 bar) Note: follow the gun producer's recommendations.



Reducer 0÷5%



SPRAYING VISCOSITY

17÷19 seconds at 68°F (20°C)/DIN4.

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HARDENING TIME For MEDIUM HARDENER

	68°F (20°C)	140°F (60°C)
Dust dry	40 min.	10 min.
Touch dry	3 h	15 min.
Hardness to use	13 h	15 min. + 4 h/68°F (20°C)
Total hardness	7 days	15 min. + 4 days/68°F (20°C)

Temperature below 68°F (20°C) significantly increases the hardening time.

POT LIFE

Hardener MEDIUM: 3.5 hours at 68°F (20°C) Hardener FAST: 2 hours at 68°F (20°C)



EVAPORATION TIME

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Between layers:	5÷10 min.	5÷10 min.
Before baking:	10 min.	10 min.



IR DRYING

10÷15 minutes of short waves, depending on the coat thickness and the type of radiator.

Do not exceed 140°F (60°C).

Use as recommended by the equipment manufacturer. Wait about 10 minutes before starting the heater drying.

Update date: 30.10.2025

PRODUCT EFFICIENCY

1 liter of mixture is enough to cover 10 m², yielding a dry film thickness of 60 μm (2.36 mils).

POLISHING AND REMOVING IMPURITY INCLUSIONS

Usually polishing is unnecessary, as the C38 VHS 2K Clearcoat 2:1 gives the surface a perfect look immediately after application. However, if some dirt inclusions appear, we recommend removing them and then polishing the surface with an abrasive compound.

GENERAL NOTES

- Do not exceed recommended doses of hardener!
- Best results achieved at room temperature. The ambient temperature and the temperature of the used product should be the same.
- When working with 2K products, it is recommended to use personal protective equipment. Protect the eyes and the respiratory system.
- The rooms should be well ventilated.
- Clean the guns and equipment immediately after use.

Caution: To maintain safety, always follow the instructions given in the MSDS for the product.

STORAGE

Store the product components between 59 to 77°F (15 to 25°C), in a sealed container, in dry and cool places, away from fire and heat sources, as well as direct sunlight.

Caution:

- 1. Close the containers immediately after application.
- 2. Protect hardener against freeze and humidity!

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C38 2K Urethane Clearcoat VHS 2:1	– 24 months from the date of production
Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C38	 12 months from the date of production
Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C38	 12 months from the date of production
Urethane Reducer MASTER	 24 months from the date of production

PRODUCTS	ART. No.
C38 2K Urethane Clearcoat VHS 2:1	15638; 15639 (1l; 5l)
Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C38	15640; 15641 (0,5l; 2,5l)
Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C38	15642; 15643 (0,5l; 2,5l)
Hardener SLOW 1:2 for 2K Urethane Clearcoat VHS C38	15644; 15645 (0,5l; 2,5l)
Urethane Reducer MASTER	Medium - 300010232; 300009053 (1l; 5l)
	Fast- 15305; 13414 (1l; 5l)
	Slow- 15306; 15307 (1l; 5l)

LIMITATION OF LIABILITY

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