

TECHNICAL DATA SHEET

FOR PROFESSIONAL USE ONLY

C18 VHS 2:1

2K URETHANE CLEARCOAT ULTIMATE RAPID DRYING

PRODUCTS

C18 2K Urethane Clearcoat VHS 2:1
 Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C18
 Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C18

PRODUCT DESCRIPTION

High quality 2K urethane clearcoat with very high solids content and ultra-fast drying time. Featuring great hardness and endurance against the toughest environments, the C18 is greatly resistant to scratches, UV rays and other harmful climatic conditions. As part of our express system, the C18 clearcoat requires only 5 minutes of baking at 140°F and it is touch dry after only 60 minutes at 68 °F with fast hardener.

- Very high content of resin.
- Extremely high gloss.
- Perfect coat appearance,



COLOR: transparent

GLOSS GRADE: very high gloss

VOLATILE ORGANIC COMPOUNDS

VOC for mixture = 355 [g/l] – 2,963 [lb/gal]

SURFACE PREPARATION



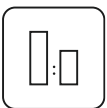

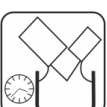



Urethane clearcoats can be applied over:

- Basecoats.
- 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

USE		HARDENING TIME				
	Fast car body repair.		Hardening time at 68°F (20°C)	MEDIUM	FAST	SLOW
	MIXING RATIO by volume Clearcoat 2 parts Hardener 1 part The clearcoat does not need to be used with a reducer!		Dust dry	30÷35 min	20÷25 min	45÷50 min
	SPRAYING VISCOSITY 19÷21 seconds at 68°F(20°C)/DIN4.		Touch dry	90 min	60 min	110 min
	POT LIFE Hardener MEDIUM, SLOW: 90 minutes at 68°F (20°C) Hardener FAST: 60 minutes at 68°F (20°C)		Before baking	10 min	10 min	-
	NUMBER OF COATS & SPRAY GUN SETTINGS Apply 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 µm (2.0–2.4 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.		Baking at 140°F (60°C). (temperature of baked object)	5 min	-	-
		IR DRYING IR	Temperature below 68°F (20°C) significantly increases the hardening time.			
			5÷7 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.			
PRODUCT EFFICIENCY						
1 liter of mixture is enough to cover 10÷11 m ² , yielding a dry film thickness of 60 µm (2.36 mils).						

POLISHING AND REMOVING IMPURITY INCLUSIONS

Usually polishing is unnecessary, as the C18 VHS 2K Urethane 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!

WARRANTY PERIOD

C18 2K Urethane Clearcoat VHS 2:1	– 24 months from the date of production
Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C18	– 12 months from the date of production
Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C18	– 12 months from the date of production

PRODUCT	ART. No.
C18 2K Urethane Clearcoat VHS 2:1	15630; 15631 (1l; 5l)
Hardener MEDIUM 1:2 for 2K Urethane Clearcoat VHS C18	15632; 15633 (0,5l; 2,5l)
Hardener FAST 1:2 for 2K Urethane Clearcoat VHS C18	15634; 15635 (0,5l; 2,5l)
Hardener SLOW 1:2 for 2K Urethane Clearcoat VHS C18	15636; 15637 (0,5l; 2,5l)

LIMITATION OF LIABILITY

The information contained in the TDS is up-to-date and correct on the day the information is released.

Because TROTON can not control or predict the conditions under which a product will be used, each user should review information in the specific context of the intended usage. To the maximum extent permitted by applicable law, TROTON shall not be liable for damages of any kind arising from the use or reliance on information contained in this TDS.

Given the variety of factors that can affect the usage and application of the TROTON product, some of which are only within the user's knowledge and control range, it is essential that the user evaluate the TROTON product to determine if the product is fit for a particular purpose and whether the product is suitable for the user's usage.

Under no circumstances shall TROTON be liable to the user or any third party for any indirect, derivative, incidental, special or punitive damages, including loss of profits resulting from the use of products manufactured by TROTON and / or TROTON's services.

All information are based upon the precise laboratory studies and many years of experience. The good market position does not release us from the constant supervision of our products quality. However, we are not responsible for the final effects of the improper storage or application of our products, as well as for work inconsistent with the good craft practice.

TROTON Sp. z o.o.
Ząbrowo, Poland.