

TECHNICAL INFORMATION

FOR PROFESSIONAL USE ONLY

C18 VHS 2:1

ACRYLIC CLEAR COAT ULTIMATE RAPID DRYING VHS 2:1

PRODUCTS

C 18 Clear Coat VHS 2:1
 Hardener STANDARD 1:2 for Acryl Clear Coat VHS C 18
 Hardener FAST 1:2 for Acryl Clear Coat VHS C 18

PRODUCT DESCRIPTION

High quality 2K acrylic clear coat for fast car repairs with a very low content of volatile compounds.

Acrylic Clear Coat C18 is designed for car paint shops that struggle every day with the problem of quickly returning the repaired vehicles to their owners. The use of the new generation of raw materials helped to achieve fast curing time.*

- Very high content of resin.
- Extremely high gloss.
- Excellent look of the coat.

* ambient temperature 20°C, humidity below 80%.



COLOUR: transparent

GLOSS GRADE: high gloss

VOLATILE ORGANIC COMPOUNDS

VOC for mixture = 355 [g/l],

The share of VOC is below 540 g/l. These products meet the EU directive (2004/42/EC/II B) that sets the VOC value for its category (d), at 420 g/l.

SURFACE PREPARATION



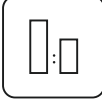




Acrylic Clear Coats can be applied over:

- Base Coats,
- Old finishes in good condition after matting and degreasing.

For matting we recommend the following:

- grey abrasive fabric with a polishing compound,
- sanding paper with gradation of 600÷800 (wet sanding),
- sanding paper with gradation of 360÷500 (machine sanding).

APPLICATION PROCESS

USE		HARDENING TIME				
	Fast car body paint.		Hardening time at 20° C	STANDARD	FAST	SLOW
	MIXING RATIO by volume Clear Coat 2 parts Hardener 1 part The Clear Coat does not need to be used with a thinner!		Dust dry	30÷35 min	20÷25 min	45÷50 min
	SPRAYING VISCOSITY 19÷21 seconds at 20°C/DIN4.		Touch dry	90 min	60 min	110 min
	POT LIFE Hardener STANDARD, SLOW, EXTRA SLOW: 90 minutes at 20°C Hardener FAST: 60 minutes at 20°C		Before baking	10 min	10 min	-
	NUMBER OF LAYERS 1.5 layers – 1 medium (thin) and then a full layer with 2 minutes of flash off between the layers in order to obtain a dry film thickness of 50-60 µm. RP gun parameters: Nozzle: 1.2÷1.4mm; Pressure of input: 2.0÷2.2bars. HVLP RP gun parameters: Nozzle: 1.3÷1.4mm; Inlet pressure: 2.0 bars. Note: follow the gun producer's recommendations.		Baking at 60°C (temperature of baked object)	5 min	-	-
		Temperature below 20°C significantly increases the hardening time.				
		IR DRYING IR				
		5÷7 minutes of short waves, depending on the layer thickness and the type of radiator. Do not exceed 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 m² with a dry layer with thickness of 60 µm.

SHADING

Make sure that you cover the whole area with the base coat and shade only the prepared area. Use FADE OUT THINNER Inter Troton for shading to blend the dust that has settled around the fixing surface and compensate the optical differences in gloss between the old lacquer coat and the newly imposed acrylic clear coat.

POLISHING AND REMOVING IMPURITY INCLUSIONS

Usually polishing is unnecessary, as the VHS Clear Coat 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 15 and 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

C 18 Clear Coat VHS 2:1	– 24 months from the date of production
Hardener STANDARD 1:2 for Acryl Clear Coat VHS C 18	– 12 months from the date of production
Hardener FAST 1:2 for Acryl Clear Coat VHS C 18	– 12 months from the date of production

PRODUCT	ART. No.
C 18 Clear Coat VHS 2:1	11695; 11999 (1l; 5l)
Hardener STANDARD 1:2 for Acryl Clear Coat VHS C 18	11696; 12000 (0,5l; 2,5l)
Hardener FAST 1:2 for Acryl Clear Coat VHS C 18	11942; 12001 (0,5l; 2,5l)
Hardener SLOW 1:2 for Acryl Clear Coat VHS C 18	13112; 12304 (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.

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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.

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