



DIAMOND CLEARCOAT

GENERAL

CODE	DESCRIPTION
CD10-1	Diamond clearcoat 1 L
CD10-5	Diamond clearcoat 5 L
HSCD-0,5	Diamond hardener slow 0,5 L
HNCD-0,5	Diamond hardener normal 0,5 L
HFCD-0,5	Diamond hardener fast 0,5 L
HSCD-2,5	Diamond hardener slow 2,5 L
HNCD-2,5	Diamond hardener normal 2,5 L
HFCD-2,5	Diamond hardener fast 2,5 L



DESCRIPTION

Diamond clearcoat is a two-component acrylic characterized by a high solids content, offering excellent hardness and UV resistance. It withstands severe weather conditions and provides outstanding stone chip resistance; the coating does not peel off, even under heavy impact.

PROPERTIES

- The durability and excellent gloss give the coating a “depth of color” effect and ensure high quality
- It is compatible with all solvent-based basecoats, including waterborne basecoats
- Available with a slow, standard, or fast hardener

MIXING RATIO

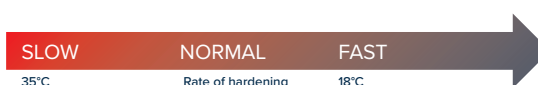


A: Diamond clearcoat: 100
B: Diamond hardener: 50
C: Thinner: 5 - 10 %

Amount of thinner calculated for amount of the clearcoat.

DEDICATED HARDENERS

Hardener slow 0,5 L / 2,5 L
Hardener normal 0,5 L / 2,5 L
Hardener fast 0,5 L / 2,5 L



The use of the appropriate type of hardener depends on the room temperature.



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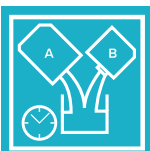
APPLICATION



Number of layers: 2
Pressure: 2 - 2,5 bar
Nozzle: ø 1.2 - 1.4 mm



Flash off between layers: 10 - 12 min



Potlife: 60 min at 20 °C

The first layer of clearcoat is applied to the pre-dried layer of basecoat. Second layer of clearcoat should be applied as a full layer and left to complete flow and hardening. Coating of clearcoat can be hardened by using IR heater. Please note that IR heater should not be turned on earlier than after about 15 minutes after application last layer of clearcoat. When painting large surfaces it is recommended to use a hardener and the acryl thinner - slow version.



Viscosity (DIN 4/20 °C)
Without thinner: 16 - 17 s



Dust free: 20 min at 20 °C
Operating hardness: 13 h at 20 °C / 30 min at 60 °C
Final hardness: 4 days

VOLATILE ORGANIC COMPOUNDS (VOC)



Maximum content of VOC in product	562 g/l
VOC for category: II,B/e	840 g/l

Clearcoat complies standards of EU Directive 2004/42/CE/II,B/e(840)



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GLOSS

Output gloss: 95

STORAGE CONDITIONS

Store in tightly closed containers, in a cool, dry place away from sources of fire and heat. Avoid exposure to sunlight.

SHELF LIFE

Clearcoat: 24 months / 20 °C

Hardener **SLOW/NORMAL/FAST**: 9 months / 20 °C

CLEANING EQUIPMENT

For cleaning equipment acrylic thinner can be used. It is recommended to use thinner for cleaning spray guns.

HEALTH AND SAFETY REGULATIONS

See Safety Data Sheet of the product.

SPECIFIC WEIGHT

Clearcoat – about 1.0 g/cm³

Hardener – about 1.0 g/cm³