

Technical Information Heat resistant spray



To renovate, repair and embellish objects which are exposed to high heat, such as barbecues, stoves, stovepipes, lampshades etc.

Advise for application on barbecues:

Painted surfaces should not get in contact with barbecue food!

Charcoal tanks can achieve temperatures, which exceed the maximum temperature-resistance of the spray!

Available in black and silver, which are resistant up to 690°C.

Quality and properties

- High heat-resistance: black and silver up to 690°C
- High coverage and filling power
- Excellent adhesion
- Good flow, smooth surface
- Fast-drying
- Weather-resistant

Physical and chemical data

- **Basis of the binder:** silicone resin
- **Colour:** diverse
- **Smell:** solvent
- **Degree of gloss** (at measurement angle 60° acc. to DIN 67530):
matt: 5-10 gloss units
satin matt: 30 - 35 gloss units
- **Efficiency:**
Depending on consistence and color of the ground:
400 ml are sufficient for approx. 1.2 m²
- **Drying time (at 20°C, 50% relative air humidity):**
Dry to touch: after 60 minutes
Temperature-resistant and resilient: after 1 more hour of tempering at approx. 160°C
The drying time depends on surrounding temperature, air humidity and thickness of the applied coat.
- **Temperature-resistant:**
black, silver: up to 690°C
- **Storage stability:**
Aerosols: 10 years, if appropriate storage provided (=10°-25°C, relative air humidity of max. 60%)
- **Size:** aerosol cans with maximum nominal volume 400 ml

Environment and labelling

Environmentally sound: European Aerosols is committed to apply formulations without restricted or critical ingredients and to achieve best possible performance. The caps and packagings are made of recyclable material.

Disposal: Only the completely emptied cans should be put into the recycling skip or appropriate container for reclaimable refuse. Cans which are not empty should be disposed off as "special refuse".

Marking/Labelling: All products made by European Aerosols comply with the actual labelling regulations according to Preparation Guideline 1999/45/EG. All aerosols correspond to TRGS 200 and TRG 300 as well as to aerosol guideline 75/324/EWG in the actually valid version.

Using instructions

The most DUPLI-COLOR spray paints have a so-called no-spray ring or a tamper-proof cap. This is to avoid unauthorized use. Please see the corresponding advises on the cap or on the label.

Before use, carefully read and observe the warning texts on the label!

Application

Preparation of the ground:

- Remove loose flakes of old paintings, de-rust and sand.
- The surface has to be clean, dry and fat-free.
- Do not prime! Best results will be achieved on the blank metal.

Lacquering:

- Cover areas not to painted.
- Before use, shake can for 2 minutes.
- Test colour and compatibility with the surface at an invisible spot.
- Spray several thin coats in 2 minute intervals.
- Spray distance should be approx. 25 cm.
- Best results will be achieved during surrounding temperature of approx. 20°C.
- Let dry for 1 hour.
- Then temper for approx. 1 hour (160°C) to cure the paint. Hereby you have to reckon with formation of smoke and unpleasant odour. Care for sufficient ventilation.
- The thinner the coat of paint, the better the temperature-resistance will be.

Tips for spray painting

Protect the object and the surrounding area from spray mist.
Temperature should range between +10°C and +25°C, max. air humidity 60 %.

Store in a dry place. Protect from direct sunlight and other sources of heat. Use only during dry weather, in places protected from the wind, and in well-ventilated rooms. Follow the warning texts on the labels!

Disclaimer of liability

This application-technological information is given to the best of our knowledge. The notes mentioned herein are, however, non-binding and do not exempt you from own tests to see whether the products supplied by us are suitable for your special application. The use and processing is beyond our control and therefore exclusively in the responsibility of the user. European Aerosols is let off the liability, unless the liability-based incident is caused by a fault incurred to European Aerosols.

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