Technical Information Alkyton heat-resistant brush paint

Heat-resistant coating for application on new, bright or shot-blasted steel or well pre-treated, coated surfaces such as barbecues, heating systems, exhausts, etc. Heat-resistant up to a dry heat of 750°C.

ALKYTON heat-resistant coating is intended for small maintenance jobs and repairs.

Quality and properties

- Silicone modified alkyd resin system
- good coverage
- Excellent adhesion
- Resistant to high temperatures up to 600°C with short-term peak load up to 750°C

Physical and chemical data

- **Basis of the Binder:** Silicone-modified alkyd resin
- **Colour:** black matt and silver
- **Smell:** solvent
- **Efficiency:**
  Theoretical: 10 - 12 m²/l. Can vary depending on colour and condition of the ground
  Practical: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application (see DIN 53220)
- **Recommended layer thickness:** 35-40 µm dry, corresponds to approx. 85 µm wet
- **Drying (at 20°C, 50% relative air humidity):**
  Tack-free: after 2 hours
  Dry to touch: after 8 hours
  Re-coatable after 24 hours
  Full hardness: 24 hours after the minimum service temperature of 150°C is reached. Gradually heat the coating to 150°C (max. 50°C/hour.
- **Densitiy:** black: 1,38 g/cm³, silver: 1,11 g(cm³
- **Solids Content:** black: 40 %, silver: 47 % by volume ± 2,0 depending on colour
- **Viskosity:**
  880 - 1150 mPA s (880 - 1150 cP)
- **Flash Point:** 40°C
- **Temperature resistance:**
  up to 600°C (dry heat), short term peak load up to 750°C
- **VOC-content:** 460 g/ l max.
  Category: IIA/ i
  EU Limit values: 600 g/ l (2007)/ 500 g/ l (2010)
- **Storage stability:**
  5 years from date of production in unopen can, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.
- **Disposal:** Put only empty can into the recycling bin. Bring cans with remainders of paint to the special refuse disposal.
- **Content:** max. nominal volume = 250 ml or 750 ml

Disposal and labelling

Disposal: Please mind the residue inside the containers. Completely emptied containers can be used for recycling. If cans are not emptied, they should be disposed off as "special refuse".
Only for DE: In order to ensure a high reuse and recycling rate, the legislator requires, in accordance with §15 - VerpackG, Paragraph 1, the return of transport, sales or outer packaging, alternatively, however, deviating agreements can also be made.

Labelling: All products of European Aerosols comply with the current status of their labelling regulations. Classification and distinction takes place by the presently legal form of the **Globally Harmonized System of Classification and Labelling of Chemicals** (GHS) or rather by CLP 1272/2008/EG regulations. Our safety data sheets comply with the current form of REACH 1907/2006/EG, article 31 und appendix II,

Using instructions

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

Surface preparation:

Remove grease, oil, dirt, loose rust, loose coatings and any other contamination with suitable agents. Sand intact, old paintwork to obtain a good adhesion. The surface must be clean and dry during application.

Mixing and thinning:
The paint has to be stirred vigorously before use. Do not thin!

Application:
Apply only if the air and surface temperatures are between 5 and 35°C and the relative humidity is less than 85%. Apply with a brush. Due to the high viscosity we do not recommend application in a spray gun.

Coatable: after 24 hours. Fully cured: 24 hours after the minimum service temperature of 150°C is reached. Gradually heat the coating to 150°C (max. 50°C/hour).

Clean up of the tools: With white spirit.

Order information

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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