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SiloxoKote Binder

Solvent-Based Silicone Heat-Resistant Binder for Abrasion-Resistant Coatings

SiloxoKote Binder is a tan colored solvent-based silicone binder that, when mixed with filler materials, produces tough, abrasion-resistant, and water-resistant coatings on all substrates. Coatings made with SiloxoKote Binder are usable to well over 1000 C (over 1832 F).

Key Attributes

- Tough/adherent coatings over the use temperatures
- Fully water-resistant after applying and drying
- Fast-drying solvent-based composition
- Usable for all substrates and all atmospheres (including air)
- Dilutable/cleanable with ethyl alcohol
- No primer coating or cure required

Ideal Uses

- Binder
- Suspender
- Infiltrant

Possible Fillers

- Most any ceramic powders since this system is compatible with most everything
- Ideal for water-sensitive/reactive materials
- Consider eutectics that form low-melting situations

Use Notes

1. Add refractory filler (less than 10 microns preferred)
2. Start at 50 wt% powder. Mix by rolling or shaking.
3. If too thick, add ethanol; if too thin, add powder
4. Re-mix by rolling or shaking air atmosphere for 1 hour.

After making paint above, clean substrate, apply paint, dry (with no cure needed), and place into use.

Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.



Specifications

Active Ingredients	Silicone Resin + Proprietary
Max Use Temperature	>1000 C / >1832 F
Use Atmosphere	All
Fired Composition	SiO ₂ + Proprietary
Hardness	High
Liquid Carrier	Ethanol
Water Resistance	High
Ability to Suspend Solids	Moderate
Brookfield Viscosity (cps)	200@2/60
Specific Gravity	0.95
Shelf Life (months)	>12
Color	Tan
Coating pH	Not applicable
H F R Ratings	1-3-0
Substrate Use	All
% Volatiles	75

Sizes and colors

SiloxoKote Binder is a tan-colored liquid; depending on the refractory powder added to siloxoKote Binder, some discoloration may be seen between 300-600 C on the first heating.

Standard Size: 1 gallon Curtec easy open

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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