# CHING-suprALVITE-Top coat
# SAD 06 P K

## Intended use

Low-solvent, diffusion resistant top coat with barrier protection and universal adhesion on steel, zinc, stainless steel and aluminium as well as for coated steel; for repairing transformers and acessoires, especially for the repair of water-based paints of the product range HV. Repairs are possible down to - 10°C.

## Application

Repair coating for transformers and their accessories

## General information

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Color shades** | DB-, RAL-, NCS-. British Standard -, Munsell-, AS-, Federal Standard-, as well as other colors on request | | | | |
| | **Gloss** | mat | | | | |
| | **Stirring / Dilution** | Stir the product mechanically before each use. Ready to use after adding hardener.<br>Dilute with CHING-Thinner S 08 if necessary. | | | | |
| | **Spraying** | **Viscosity** [DIN 4] | **Thinner** [%] | **Nozzle** [mm] | **Pressure** [bar] | |
| | Cup gun | 40 - 70 s | 5 - 10 | 1,5 - 2,5 | 4 - 5 | |
| | Airless (Airmix) | Delivery form | ≤ 5 | 0,31 - 0,51 | 150 -200 | |
| | **Brush application** | Delivery form | | | | |
| | **Roller application** | Delivery form<br>(minimum layer thicknesses have to be expected) | | | | |
| | **Flow application** | n.a. | | | | |
| | **Substrate preparation** | according to DIN EN ISO 12944-4; Steel: qualified primer; surface clean, dry, free of dust, rust, oil and grease | | | | |
| | **Drying time**[1] | **Temperature** | **Dust-dry** | **Grip resistant** | **Mech. resilient** | **Recoatable**[2] |
| | at 80 µm | NC 23/50 | 1 h | 2 h | 4 h | 2 h |

1 Based on delivery viscosity! Humidity has a decisive influence on drying!
2 with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)


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| | |
|---|---|
| **Viscosity delivery form** | 700 - 800 mPas |

**Other values**

| Density [g/cm³] | Solids [Weight. %] | Solid volume [%] | Solid volume [cm³/kg] | Effiency[1] [m²/kg] |
|---|---|---|---|---|
| 1,4 ± 0,1 | 71 ± 5 | 58 ± 5 | 410 ± 20 | 5,1 |

| WFF | DFT[2] [µm] | Consume [g/m²] | VOC-content [g/l] (± 20) | Temperature resistance[3] |
|---|---|---|---|---|
| 1,7 | 80 - 120 | 190 ± 20 | 360 | 70°C |

These values are imputed values that may vary depending on the color shade and application.
Drying times are correspondingly longer for thicker layers.
The drying times are shortened by forced drying.

1 ± 0,5 for 60 µm dry layer thickness (depending on shade)
2 With layer thicknesses > - µm bubbles may form!
3 Dry heat

**Notes**

- **Storage**
  18 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
  - The air and object temperature should be at +10°C to +40°C (optimally at 15-35 °C) and the relative humidity at max. 80 %. The surface temperature of the parts to be coated must be at least 3 °C above the dew point of the surrounding air during application.
  - Sufficient supply and exhaust air must be provided.
  - When working below freezing, the temperature of the liquid coating material should be at least 10 °C.


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