

**TEKNOHEAT 400**
Silicone Paint

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|---------------------------|--|
| PAINT TYPE | TEKNOHEAT 400 is a silicone paint. |
| USAGE | Used on steel surfaces with operating temperatures of +100 to +200°C. Temporarily damp steel surfaces must be primed with an anticorrosive primer, eg. TEKNOZINC SP. |
| SPECIAL PROPERTIES | The paint dries at room temperature. |

TECHNICAL DATA

Solids 50 ±2% by volume

Total mass of solids abt. 640 g/l

Volatile organic compound (VOC) abt. 550 g/l

| Recommended film thickness and theoretical spreading rate | Dry film (µm) | Wet film (µm) | Theoretical spreading rate (m ² /l) |
|---|---------------|---------------|--|
| | 30 | 60 | 16,7 |

As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.

Practical spreading rate The values depend on the application technique, surface conditions, overspray, etc.

Drying time, +23°C / 50% RH (dry film 30 µm)

- dust free (ISO 9117-3:2010) after ½ h
- touch dry (ISO 9117-5:2012) after 2 h

NOTE! When the paint film is for the first time heated up to near +200°C, acrid combustion gases are formed in the hardening process. Take then care of good ventilation.

Overcoatable, 50% RH (dry film 30 µm)

| surface temperature | by itself | |
|---------------------|--|------|
| | min. | max. |
| +5°C | wet-on-wet or not until at least after 5 d. | - |
| +23°C | wet-on-wet or not until at least after 24 h. | - |

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner, clean up TEKNOSOLV 9502, TEKNOSOLV 1639

Finish Semigloss

Colours Black and red

SAFETY MARKINGS See Safety Data Sheet.

DIRECTION FOR USE**Surface preparation**

THIN-PLATE SURFACES: Brush corroded areas carefully and remove all grease and dirt by washing the surfaces e.g. with RENSA STEEL washing agent for galvanized surfaces.

STEEL SURFACES: Remove mill scale and rust by blast-cleaning to preparation grade Sa 2 (ISO 8501-1).

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Prefabrication primer

KORRO PVB Prefabrication Primer, KORRO E Epoxy Prefabrication Primer, KORRO SE Zinc Epoxy Prefabrication Primer and KORRO SS Zinc Silicate Prefabrication Primer can be used, when required.

Application conditions

The surface to be painted has to be dry. During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +5°C and the relative air humidity below 80%.

The temperature of the surface to be painted must not be above +50°C.

Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

Application

Before use stir the paint thoroughly.

Apply by brush, roller, conventional spray or airless spray. Use airless spray nozzle 0.013 - 0.017".

When applying by conventional spray, thin the paint by adding 10 - 15% TEKNOSOLV 9502 or TEKNOSOLV 1639.

ADDITIONAL INFORMATION

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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