

# Camsil HR450

## HeatResistant



### FEATURES

**Camsil HR450** is a single pack high temperature silicone protective coating designed to provide protection up to 450° C on steel substrates.

Modified with a very fast drying acrylic resin, **Camsil HR450** offers very quick touch dry, and dry to handle properties, enabling a quick turn around for assembly line products.

Optimum hardness is achieved once the coating has been through a heating cycle of at least 200° for 60 minutes.

### RECOMMENDED USES

**Camsil HR450** is ideally suited for providing a heat resistant protective finish for the following applications:

- Exhaust Manifolds
- Furnaces
- Barbeques
- Wood Stoves

### SPECIFICATION DATA

<b>Colour:</b> Black,White,Aluminium	<b>Volume Solids:</b>	~31% <sup>(1)</sup>
<b>Finish:</b> Gloss - Semi-Gloss	<b>Dry Film Thickness:</b>	30 - 40µ DFT
<b>Density:</b> ~1.11g/cc <sup>(1)</sup>	<b>Wet Film Thickness:</b>	100 - 130µ WFT
<b>Packaging:</b> 1 and 4 litre	<b>Coverage:</b>	7 ~ 8 m <sup>2</sup> / litre @ 35µ DFT
<b>Application:</b> Spray, small areas by brush	<b>Number of Coats:</b>	2 coats optimum
<b>Cleanup:</b> Thinner EX179	<b>Touch Dry:</b>	15 min @ 25°C
<b>Storage:</b> Store under cool dry conditions away from heat and sources of ignition.	<b>Dry to Recoat:</b>	4 hrs minimum
	<b>Hard Dry:</b>	8 hours
	<b>Full Cure:</b>	1 hour @ 200°C

<sup>(1)</sup> Based on Camsil HR450 Black

### PERFORMANCE

<b>Temperature Resistance:</b>	Up to 450°C dry heat
<b>Abrasion Resistance:</b>	Moderate, Good once fully cured
<b>Weatherability:</b>	Good
<b>Solvent Resistance:</b>	Not recommended
<b>Chemical Resistance:</b>	Not recommended

## DIRECTIONS FOR USE

Ensure surfaces are clean, dry and free from grease, oils and other surface contamination. If surface rust is present, then it must be removed by abrasion, ideally by sand-blasting to AS1627.4 Class 2 ½ . If this is not practical, then abrade to AS1627.7

Stir thoroughly until uniform. **Camsil HR450** may be thinned up to 5% with **Cameleon EX-179 Thinner** for spray application. Be careful not to overbuild this product. Small areas may be applied by brush.

Full coating hardness will not occur until the coating has been through a bake cycle of 200° for at least 60 minutes. This would normally occur when the object being painted is put into service for the first time. It is quite normal for heat resistant coatings to emit an odour during this process. The final operating temperature will determine the gloss level of the final coating.

Provide adequate natural ventilation during use. Wash equipment immediately after use with **Cameleon Thinner EX179**.

**DO NOT apply if temperature is below 10°C, or the relative humidity is above 85%.**

### Typical Specifications

Surface	*Preparation	System	Dry Film Build
Steel (Rusted)	For best performance abrasive blast to AS1627.4 Class 2 ½ ; if this is impractical then prepare surface to AS1627.7	1. Camsil HR450 2. Camsil HR450 <sup>(2)</sup>	30 - 40µ 30 - 40µ
Steel (New)	Thoroughly degrease the surface to remove any surface contamination (oil, grease etc). Prepare substrate to SSPC-SP-1.	1. Camsil HR450 2. Camsil HR450 <sup>(2)</sup>	30 - 40µ 30 - 40µ

<sup>(2)</sup> Second coat of Camsil HR450 optional

## PRECAUTIONS

**IMPORTANT!** See the Safety Data Sheet (SDS) for health and safety information prior to use.

## CAMELEON PAINTS

### Manufacturers of a complete range of quality paints

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