

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

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

⁽¹⁾ Based on Camsil HR450 Black

PERFORMANCE

Temperature Resistance:	Up to 450°C dry heat
Abrasion Resistance:	Moderate, Good once fully cured
Weatherability:	Good
Solvent Resistance:	Not recommended
Chemical Resistance:	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 5°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 ⁽²⁾	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 ⁽²⁾	30 - 40µ 30 - 40µ

⁽²⁾ Second coat of Camsil HR450 optional

PRECAUTIONS

IMPORTANT! See the Cameleon Paints General Safety Data Sheet, Product label, and Material Safety Data Sheet (MSDS) for health and safety information prior to use.

CAMELEON PAINTS

Manufacturers of a complete range of quality paints

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