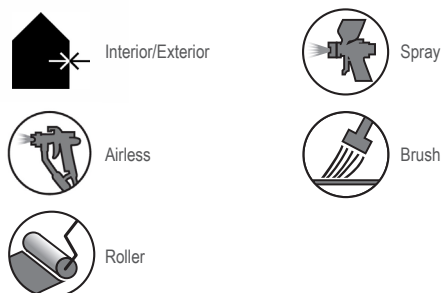


1130 VULKAN

SILICONE ENAMEL RESISTANT TO VERY HIGH TEMPERATURES



Description and Use

Product based on silicone resins with very high heat resistance and formulated with pigments that are particularly stable at high temperatures.

Recommended for painting metal chimneys, furnaces, chemical plants subject to high temperatures, pipes for superheated steam or diathermic fluids, exhaust pipes, manifolds and anywhere temperatures between 450 and 600°C are reached. In particular, black color resists up to 450°C, aluminum resists up to 600°C.

Substrate preparation

IRON SURFACES:

- Sand-blasting SA2.5 grade or careful mechanical cleaning followed by solvent degreasing.

Application

Application method:

- air mix spray gun with nozzle Ø 1.4-1.6 mm and pressure of 2.0-3.0 bar.
- airless
- brush
- roller

Product preparation:

Stir thoroughly to achieve even colour and consistency.

If applied by spray, dilute with Cellulose Thinner at 10-15%.

If applied by for brush or roller, dilute with Cellulose Thinner at 5-10%.

Storage life

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with the current legislation.

Technical features

Colour	black - aluminum
Binder	silicone
Appearance of the dry film	matt
Recommended thicknesses	40-50 µm dry film
Practical cover rate *	7-8 m ² /l (2 layers)
Air drying	10-20 minutes, dust free
	24 hours, through drying
Chemical reticulation	1 hour at 200-250°C
EU limit value of VOC content (Directive 2004/42/EC)	Category A/i, SB: VOC max 500g/l product VOC < 500 g/l
* The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.	
The data are measured at a temperature of 20°C and 65% R.H.	

Warnings

- **To guarantee chemical and mechanical resistance, preheating up to 200-250°C for around 1 hour is required to ensure complete cross-linking of the resin.**
- Exceeding the temperature of 500 °C with black color may result in discoloration and loss of adhesion
- For a good aesthetic finish, even by roller or brush, it is recommended to pay careful attention when applying the first and/or subsequent coats of the product.
- Product recommended for expert users.
- Always read the safety datasheet before use.
- Solvents or thinners used for cleaning tools, as well as any product residues, must not be released into the environment or poured down domestic drains. The recipient/product/thinner or cleaning solvent must be disposed of in accordance with national regulations.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market can lead to slight deviations in the declared values. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.technica@impa.it.