



Baysilone Resin P501

Product Description

Medium-hard phenylmethyl silicone resin

Application Fields

Binder for anticorrosion coatings with thermal stability up to 600 ° C

Typical Product Data

Approx. 50 % in xylene (technical) : cyclohexanone = 4 : 1

Viscosity, 23 ° C, DIN 53 015	220 - 300 mPa.s
Iodine colour value, DIN 6162	max. 4

Containers

1.000 kg, 200 kg, 50 kg

Instructions for Use

The main fields of application are the coating of machine components, fire doors, engine manifolds, car exhaust silencers, drying units etc. For this, use is made chiefly of one-coat finishes. Systems of this kind are also applied for the sealing of spray-metallized surfaces. Baysilone Resin P 501 can also be used for multi-coat finishing systems for industrial plant.

Coating system

One-coat systems can only be applied to clean substrates which are free of rust and grease. Industrial plants call for a multi-coat system consisting of 1 - 2 base coats and 1 topcoat.

Drying

Coatings formulated with Baysilone Resin P 501 dry tack-free even at room temperature, yielding films with good mechanical resistance, weather stability and corrosion resistance. Optimum mechanical properties and resistance to oils and petrols are, however, only ensured after exposure to temperatures above 200 ° C for about one hour.

Pigments

For primers, we recommend using zinc dust and for topcoats, aluminium bronze and micaceous iron oxide. Micaceous iron oxide coatings can be tinted with suitable heat-resistant inorganic colour pigments. One-coat systems with good anticorrosion properties must be pigmented exclusively - or at least partly - with zinc dust. The long-term thermal stability is as high as 501 ° C where zinc dust is used and 600 ° C with aluminium bronze or micaceous iron oxide. The shelf life of coatings prepared according to our guide formulations is generally 3-6 months. This also applies to formulations containing zinc dust, although it is essential to ensure that the products used have low lead contents.

Handling and Safety

Information on product safety and handling can be found in our Safety Data Sheet.

Storage and Transport

Correctly stored in its original unopened container Baysilone P 501 has a shelf life of 720** days from the date of manufacturing. Contact with lead or lead compounds must be avoided (e. g. soldered seams of metal cans).

**Please see also use-before/expiry date on product label and certificate.

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