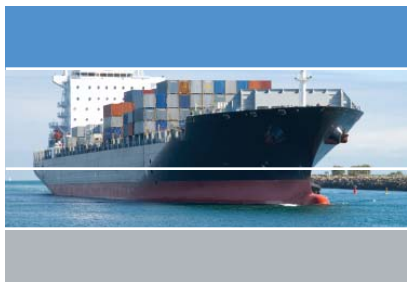


# COATOSIL\* P 576 resin

SILANES - COATINGS ADDITIVES



**Medium-hard high solid phenylmethyl silicone resin in solvent.**

### Potential Uses

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

### Form Supplied

Approx. 75% in xylene (technical):  
butanol = 4 : 1

### Potential Applications

The main fields of application are the coating of machine components, 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.

### Drying

Coatings formulated with CoatOSil P 576 Resin dry tack-free even at room temperature, yielding films with good mechanical resistance, weather stability and corrosion resistance. Optimum mechanical properties and resistance to oil and petrol can however be expected only after exposure to temperatures above 200°C, for about one hour. To improve drying at room temperature, we recommend the addition of approximately 3% high molecular weight ethyl cellulose, calculated on the solid binder”

### Typical Physical Properties

Viscosity, 23°C, DIN 53 015	600 - 1300 mPa·s
Iodine color value, DIN 6162	max. 4

# COATOSIL\* P 576 Resin

## Pigments

Use of Aluminium bronze and Micaceous iron oxide is recommended. Micaceous iron oxide coatings can be tinted with suitable heat-resistant inorganic color pigments.

A long-term thermal stability up to 600°C can be achieved with aluminium bronze or micaceous iron oxide.

Black coatings should preferably be pigmented with Bayferrox 303 T and Fast Black 100.

The long-term heat resistance of such systems is 550 - 600°C.

The shelf life of coating formulations, prepared according to our recommendation, is generally 3 - 6 months.

The use of zinc dust is not recommended.

## Solubility

Aliphatic hydrocarbons	Insoluble
Aromatic hydrocarbons	Soluble
Alcohols	Insoluble
Esters	Soluble
Ketones	Soluble
Glycol ethers	Soluble

## Compatibility

CoatOSil Resin M range	Incompatible
CoatOSil Resin UD range	Partly compatible
Resin Organic binders	Partly compatible

## Packing

200 kg steel drums, 18kg pails

## Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## Product Safety, Handling and Storage

**Storage:** When stored in its original, unopened container at 25°C, CoatOSil P 576 Resin has a shelf life of 360 days, from the date of manufacturing.

Please read the use-before/expiry date on the product label and certificate.

**Safety:** As the product contains solvents, the relevant regulations on the handling of such products should be observed.

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

## Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

## COATOSIL\* P 576 Resin

### Emergency Service

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Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

<u>Location</u>	<u>Momentive Performance Materials Products</u>	<u>All Chemical Products</u>
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Middle East, All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
Middle East, Israel	+518.233.2500	+44.(0)208.762.8322 (UK)
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At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

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DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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