

# Baysilone®-Paint Additive M 51



Low molecular weight methyl polysiloxane, 100 % active ingredient

## Description

Levelling and anti-floating agent

## Characteristic data

|                                |                        |  |
|--------------------------------|------------------------|--|
| Appearance:                    | clear, colorless       |  |
| Viscosity (23 °C), mPa·s:      | 45 - 55                | DIN 53015                                  |
| Density (20 °C), g/ml:         | 0.96 – 0.97            | DIN 53217                                  |
| Surface tension (23 °C), mN/m: | approx. 20             | DIN 53914 (with Harkins-Jordan correction) |
| Refractive index (23 °C):      | 1.403 – 1.404          | DIN 51423                                  |
| Flash point, °C:               | approx. 280            |  |
| Delivery form:                 | 100 % active substance |  |

## Solubility

|                        |                               |
|------------------------|-------------------------------|
| aliphatic hydrocarbons | soluble                       |
| aromatic hydrocarbons  | soluble                       |
| alcohols               | insoluble / partially soluble |
| esters                 | soluble                       |
| ketones                | insoluble / soluble           |
| glycol ethers          | insoluble                     |
| glycol ether acetates  | insoluble                     |
| Decalin / Tetralin     | soluble                       |
| water                  | insoluble                     |

## Properties

**Baysilone®-Paint Additive M 51** is a very effective flow-promoter and appreciably reduces surface tension.

It acts as an anti-floating agent and can be used as an "anti-silicone", i.e. it counteracts defects in the surface of paint films which may be caused by silicones, e.g. in polishes.

## Applications

**Baysilone®-Paint Additive M 51** can be used both in systems which dry physically and in chemically curing systems. Its binder compatibility is limited.

# Baysilone<sup>®</sup>-Paint Additive M 51

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## Dosage

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0.01 - 0.05 % based on solids content

## Recoatability

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Direct loss of adhesion between base and top coat or of recoatability is not generally likely to be observed. **Baysilone<sup>®</sup>-Paint Additive M 51** may, however, intensify such defects, the causes of which include over-baking. We therefore recommend that the product is used primarily in top coats.

## Storage

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Protect from the effects of weathering and store at temperatures between 5 and 30 °C.  
Once opened, containers should be resealed immediately after each removal of the product.

## Safety

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Please refer to our safety data sheet for information relating to product safety.

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