**IMOTECH®-SILAN**

**Fassadenfarbe**

Water-soluble, highly diffusible silicon emulsion based exterior paint

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**Where to use:**
Weather and dirt resistant exterior paint on mineral surfaces as well as renovation finishes on stable silicate and mat dispersion paint coatings, synthetic resin plasters and intact thermal insulation composite systems.

**Performance features:**
Water-soluble, low film tension, weather resistant according to VOB, water repellent in conformance with DIN 4108, alkali resistant, highly permeable to water vapor, non-film forming, high hide, resistant to dirt and air pollutants, easy to use. Highly resistant to fungus, moss and algae.

**Binder type:**
Silicon resin emulsion

**Density:**
Approx. 1.48

**Gloss:**
Flat

**Color:**
White

**Tinting colors:**
Pastel colors with Ultra-mix or at plant.

**Storage:**
Cool, however above freezing. Seal opened containers well.

**Packaging:**
12.5 l

**Application:**
Brush, roller, spray gun.

**Spraying data:**
Airless

**Nozzle size:**
0.021 inch

**Spray angle:**
50°

**Spray pressure:**
150-200 bars

**Thinner addition:**
up to 10%

**Cleaning of tools:**
Immediately after use with water.

**Consumption:**
Approx. 150 ml/m² per coat on smooth surfaces. Correspondingly more on rough surfaces. Determine exact consumption quantities by testing.

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**Minimum temperature for application and drying:**
+ 5° C (air and subsurface)

**Drying time under normal climatic conditions (+20° C, 65 % rel. humidity):**
Can be painted over after: Approx. 12 hours.

Drying time increases accordingly in cool or moist weather.

**Coating structure**

**Surface preparation:**
See reverse side

**Primer coat:**
See reverse side

**Filling work:**
(if applicable):
Fill with IMPARAT Facade Light Filler\(^1\) or other suitable IMPARAT filler\(^1\) according to processing guidelines. After completely dry reprime with IMOTECH-SILAN Primer W\(^1\) or IMOTECH SILAN Surface Stabilizer\(^1\).

**Intermediate coat:**
IMOTECH-SILAN Brush-On Filler\(^1\), approx. 10% or IMOTECH-SILAN Fassadenfarbe, diluted up to 10% with water.

**Final coat:**
IMOTECH-SILAN Fassadenfarbe, diluted up to 10% with water.

**Notes:**
Do not use IMOTECH-SILAN products with coating materials of other types such as silicate or dispersion paints or dispersion or silicate base full color paints or mixed with tinting concentrates.

Do not mix IMOTECH-SILAN Fassadenfarbe with IMOTECH-SILAN Grundfestiger\(^1\).

Resilient facade coatings with highly thermoplastic properties are not suitable subsurface. They must be removed, e.g. by leaching.

Use Biozide safely. Read labels and product information before using.

See EU Safety Data Sheet for detailed product information relevant for safety.

**Product Code:** M-SF01

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\(^1\) see applicable technical information
**Suitable Surfaces, Preparation and Primer Coats**

(Observe VOB - Part C - DIN 18363)

<table>
<thead>
<tr>
<th>Surfaces</th>
<th>Preparation of surfaces:</th>
<th>Priming coat:</th>
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</thead>
<tbody>
<tr>
<td><strong>Mineral:</strong></td>
<td>The subsurface must be dry, clean, free of parting agents and stable.</td>
<td>Allow to dry thoroughly.</td>
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<tr>
<td>Plasters according to DIN 18550 mortar group P I</td>
<td>New plaster should be 2 to 4 weeks old depending on weather. Repair flaws with mortar of same type; fluate re-plastered points and rinse with water.</td>
<td>IMOTECH-SILAN Surface Stabilizer², diluted with IMOTECH-SILAN primer W⁶³ or IMOTECH-SILAN primer W⁶³.</td>
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<tr>
<td>Lime mortar group P II</td>
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<tr>
<td>Lime-cement mortar group P III</td>
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<tr>
<td>Cement mortar</td>
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<tr>
<td>Old, absorbent lime-cement plaster as well as lime-cement plaster with sandy surface</td>
<td>Clean mechanically using dry or wet process – allow to dry well. Remove loose plaster, repair with mortar of same type; fluate and rinse with water.</td>
<td>IMOTECH-SILAN Primer W⁶³ or IMOTECH-SILAN Surface Stabilizer², diluted with IMOTECH-SILAN primer W⁶³.</td>
</tr>
<tr>
<td><strong>Concrete</strong></td>
<td>Allow plaster layers to cure all the way through (approx. 6 days).</td>
<td>IMOTECH-SILAN Primer W⁶³</td>
</tr>
<tr>
<td>Synthetic resin plasters and synthetic resin bonded thermal insulation composite systems</td>
<td>Clean thoroughly. Grouting must be stable and free of cracks. Remove defective grouting and regROUT with mortar of same type (Observe BFS Data Sheet No. 2).</td>
<td>IMOTECH-SILAN Surface Stabilizer², diluted with IMOTECH-SILAN primer W⁶³.</td>
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<td><strong>Exposed Masonry:</strong></td>
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<tr>
<td>Lime-sandstones (outdoors frost-resistant facing bricks only)</td>
<td>Clean thoroughly. Grouting must be stable and free of cracks. Remove defective grouting and regROUT with mortar of same type (Observe BFS Data Sheet No. 2).</td>
<td>IMOTECH-SILAN Primer W⁶³</td>
</tr>
<tr>
<td><strong>Brickwork</strong></td>
<td>Clean thoroughly. Grouting must be stable and free of cracks. Remove defective grouting and regROUT with mortar of same type. In exterior area ensure that bricks are free of swelling and other types of inclusions (Observe BFS Data Sheet No. 13).</td>
<td>IMOTECH-SILAN Primer W⁶³</td>
</tr>
<tr>
<td><strong>Fiber-cement panels</strong></td>
<td>Clean using wet process. Prime exposed panels on all sides including cut edges.</td>
<td>IMOTECH-SILAN Primer W⁶³</td>
</tr>
<tr>
<td><strong>Surfaces with moss, fungus and algae</strong></td>
<td>Clean mechanically by scraping, scratching or brushing off. If necessary then treat with suitable active solution and allow to dry well.</td>
<td>IMOTECH-SILAN Fassadenfarbe or brush-on filler¹, diluted approx. 20% with water or -PrimeR W⁶³</td>
</tr>
<tr>
<td>Intact coatings: Mat emulsion paint finishes synthetic resin plasters and synthetic resin bonded thermal insulation composite systems mineral paints, silicate paints or mineral textured plaster coatings mineral thermal insulation composite systems</td>
<td>Check for good adhesion, stability and suitability. Repair plastico-resilient surfaces as required for system.</td>
<td>IMOTECH-SILAN Fassadenfarbe or brush-on filler¹, diluted approx. 20% with water or -PrimeR W⁶³</td>
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<tr>
<td>New plaster should be 2 to 4 weeks old depending on weather. Repair flaws with mortar of same type; fluate re-plastered points and rinse with water. In interior areas fill flaws with IMPARAT Wall Filler 5528 ¹ or IMPARAT Filler 5510 ¹.</td>
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<td><strong>Surfaces with moss, fungus and algae</strong></td>
<td>Clean mechanically by scraping, scratching or brushing off. If necessary then treat with suitable active solution and allow to dry well.</td>
<td>Use suitable IMPARAT primer depending on type of subsurface.</td>
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<tr>
<td>- Dispersion paints – distemper – synthetic resin plasters – mineral coatings - enamels</td>
<td>Thoroughly clean subsurface mechanically by sandblasting or leaching and rinse, if required. Repair flaws. - See Initial Coatings - Note: Observe applicable regulations when disposing of sandblasted material, leaching sludge and contaminated washing water (BFS Data Sheet D).</td>
<td>If required.</td>
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</tbody>
</table>

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This IMPARAT information was compiled according to the state of the art and our present experience. This IMPARAT information was compiled according to the state of the art and our present experience. It is intended to support craftsmen in selecting the proper materials and using them correctly. The information provided here does not release the user from the responsibility for checking the material for its suitability for the intended application, considering all object-related factors. New editions supercede the information given here.