

# Standard coating systems

## System A – Thin coating



A thin coating presupposes that the substrate is very even and highly stable. Because of the low thickness of the layer, a thin coating is suitable for light to moderate stresses. If the anticipated stresses are greater, e. g. fork-lift truck traffic, thick top coats are preferred.

### Substrate / priming

Possible substrates include concrete, cement, asphalt (only indoors) and steel structures. After the substrate has been suitably prepared, it is primed with **SILIKAL® RU 727 resin**. Before hardening, **SILIKAL® Filler QS**, particle size 0.2 – 0.6 mm, can be sprinkled loosely into the fresh coat. On steel a maximum 0.3 % pbw. of **SILIKAL® Additive M** must also be applied to the primer resin.

**Consumption: Primer** approx. 300 – 400 g/m<sup>2</sup>

### Main coat

The coat must be overlayed within 24 hours by means of **SILIKAL® RU 727 resin**. The resin is mixed with about 5 – 10 % pbw. of **SILIKAL® Pigment Powder** and **SILIKAL® Filler QM** (or equivalent quartz powder) in a ratio of 2 : 1 and applied liberally to the pre-primed surface.

### Decorations / Top coat

#### Variant 1: Pigmented smooth

A colour sealant **SILIKAL® RU 727 resin** (pigmented with 10 % pbw. of **SILIKAL® Pigment Powder**) is applied to the main coat.

**Consumption:** approx. 400 g/m<sup>2</sup>

#### Variant 2: Coloured flakes smooth

Before hardening, **SILIKAL® Coloured Flakes** are thoroughly sprinkled into the main coat. Once the excess flakes have been brushed / vacuumed away, colourless top coat **SILIKAL® R 71** or **SILIKAL® R 72 resin** is applied. The surface is grinded with sand paper after the initial topping and then applied again.

**Consumption:**

<b>Coloured flakes</b>	<b>approx. 500 – 600 g/m<sup>2</sup></b>
<b>1<sup>st</sup> top coat</b>	<b>approx. 500 g/m<sup>2</sup></b>
<b>2<sup>nd</sup> top coat</b>	<b>approx. 400 g/m<sup>2</sup></b>

#### Variant 3: Pigmented non-slip

Before hardening, **SILIKAL® Filler QS**, particle size optionally 0.2 – 0.6 mm or 0.7 – 1.2 mm (or the equivalent quartz sand) is sprinkled into the main coat until saturation. Once the excess sand has been brushed / vacuumed away, the surface is rolled-on with **SILIKAL® R 72** or **SILIKAL® RU 727 resin** (each pigmented with 10 % pbw. of **SILIKAL® Pigment Powder**).

**Consumption:**

<b>Filler QS</b>	<b>2 kg/m<sup>2</sup></b>
<b>Top coat</b>	<b>approx. 500 g/m<sup>2</sup></b>

#### Variant 4: Coloured quartz non-slip

Before hardening, **SILIKAL® Filler FS**, particle size 0.3 – 0.8 mm or 0.7 – 1.2 mm is sprinkled into the main coat until saturation. Once the excess sand has been brushed / vacuumed away, the surface is applied with **SILIKAL® R 72** or **SILIKAL® R 71 resin**.

**Consumption:**

<b>Filler FS</b>	<b>2 kg/m<sup>2</sup></b>
<b>Top coat</b>	<b>approx. 500 g/m<sup>2</sup></b>

#### Variant 5: Coloured flakes slightly non-slip

Before hardening, **SILIKAL® Coloured Flakes** are thoroughly sprinkled into the main coat. Once the excess flakes have been brushed / vacuumed away, the surface is applied with **SILIKAL® R 71** or **SILIKAL® R 72 resin**.

**Consumption:**

<b>Coloured flakes</b>	<b>approx. 500 – 600 g/m<sup>2</sup></b>
<b>Top coat</b>	<b>approx. 400 g/m<sup>2</sup></b>



Please refer to the data sheets for the relevant Silikal resins for the guideline recipes, material consumption, hardener quantities etc.