



Industrial floors used dry are found predominantly in production facilities for the mechanical industry, in warehouses, retail areas and exhibition halls. The choice of Silikal system to use is determined by the conditions found in these areas. There are a number of decorative design options which allow visual as well as technical adaptation to the particular area. The recommended total thickness of the coating is approx. 2 – 4 mm.

Substrate / priming

Possible substrates include concrete, cement, asphalt and ceramic tiles in interior rooms. After the substrate has been suitably prepared, it is primed preferably with **SILIKAL® R 51 resin**. Before hardening, **SILIKAL® Filler QS**, particle size 0.7 – 1.2 mm, can be sprinkled loosely into the fresh primer coat. On tiles the primer to be used is **SILIKAL® RU 727 resin** with max. 0.3 % pbw. of **SILIKAL® Additive M**. On asphalt the primer used must be **SILIKAL® RU 727 resin**. However, we recommend that you consult Silikal before applying coatings on asphalt. On tiles, and if the concrete surface is very rough, it is recommended that the surface is additionally smoothed off with the elastic **SILIKAL® RV 368 resin**, filled with **SILIKAL® Filler SL** in a 1 : 2 ratio scratch slurry. This enables joints or hollows to be levelled out. It also ensures additional bridging of cracks. Consumption is between 2 and 5 kg/m², depending on the depressions in the substrate.

Consumption: Priming approx. 300 – 400 g/m²

Main coat

A self-levelling formulation made from **SILIKAL® R 62 resin** mixed with fine filler and pigment according to the recipe given in the data sheet is used as the main coat. Depending on the desired surface design, the coat is subsequently reworked in different ways.

Decorations / Top coat

Variant 1: Pigmented smooth

After hardening, the main coat is applied with **SILIKAL® R 72 resin** (pigmented with 10 % pbw. of **SILIKAL® Pigment Powder**).

Consumption: Top coat approx. 400 g/m²

Variant 2: Coloured flakes slightly non-slip

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

Consumption: Coloured flakes approx. 500 – 600 g/m²
Top coat approx. 400 g/m²

Variant 3: Coloured flakes smooth

Before hardening, **SILIKAL® Coloured Flakes** are thoroughly sprinkled into the main coat. Once the excess flakes have been brushed / vacuumed away, the coat is applied with colourless **SILIKAL® R 72 resin**. The first top coat is grinded with sand paper after curing. A second **SILIKAL® R 72 resin** top coat is then rolled on.

Consumption: Coloured flakes approx. 500 – 600 g/m²
1st top coat approx. 500 g/m²
2nd top coat approx. 400 g/m²



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