Expect more from your floor.

Industrial floors in wet use occur predominantly in production facilities for the food industry. The choice of Silikal system to use varies according to the conditions, e. g. slip resistance and resistance to the relevant media such as water, grease and cleaning agents. The recommended total thickness of the coating is approx. 4 – 6 mm.

Substrate / priming

Possible substrates include concrete, cement screeds and ceramic tiles in interiors with inclination of up to 1.5 %. 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 0.3 % pbw. of **SILIKAL® Additive M**. 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: Primer approx. 300 – 400 g/m²

Main coat:

The main coat comprises a self-levelling coating of **SILIKAL® R 61 resin**, mixed with **SILIKAL® Filler SL** according to the recipe indicated in the data sheet. The coat thickness is usually 1 mm less than the required total thickness of the system, since the main coat will also receive an additional non-slip scatter as well as a top coat. A variety of decorations can be used in order to achieve the desired slip resistance (see decorations below).

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Decorations / Top coat

Variant 1: Pigmented non-slip

Before hardening, **SILIKAL® Filler QS**, particle size 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 once or twice (depending on the desired slip resistance) with **SILIKAL® R 81 resin** (pigmented with 10 % pbw. of **SILIKAL® Pigment Powder**).

Consumption:	**Filler QS**	**4 kg/m²**
	1st top coat	**approx. 500 g/m²**
	2nd top coat	**approx. 400 g/m²**

Variant 2: Coloured quartz non-slip

Before hardening, **SILIKAL® Filler FS**, particle size 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 once or twice (depending on the required slip resistance) with **SILIKAL® R 81 resin**.

Consumption:	**Filler FS**	**approx. 4 kg/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.

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