

SILIKAL® System B Wet Areas SL Flex



Expect more from your floor.

SILIKAL® System B Wet Areas SL Flex is a fast-curing, flexible and durable MMA flooring system designed for demanding wet environments such as pool surrounds, changing areas and shower facilities. Its trowel-applied main coat creates a flexible and hard-wearing base layer, while the quartz enhances slip resistance and provides a visually appealing finish. Where waterproofing and enhanced crack-bridging are required, SILIKAL® RU321, a Class III elastomeric membrane tested to AS 4654.1 and AS/NZS 4858, can be incorporated into the system.

Uses

- ▶ High-traffic areas requiring slip resistance and ease of cleaning
- ▶ Wet and dry areas exposed to foot traffic and water exposure
- ▶ Commercial environments subject to thermal stress and movement
- ▶ Facilities with hygiene and maintenance priorities

Advantages

- ▶ Extremely short curing time. Full mechanical and chemical resistance is achieved one hour after the final layer is applied.
- ▶ Excellent chemical resistance
- ▶ High mechanical resistance
- ▶ P5 / R12 slip resistance
- ▶ Seamless and hygienic finish
- ▶ Easy to clean and maintain
- ▶ Certified by HACCP International
- ▶ Outstanding resistance to ageing and weathering
- ▶ Application is possible on various substrates
- ▶ Excellent UV resistance
- ▶ Various colours

System Configuration

Silikal Top Coat

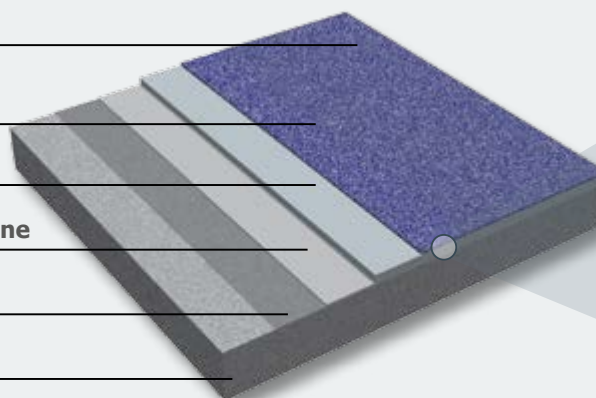
**Silikal
Quartz Broadcast**

Silikal Main Coat

Optional: Membrane

Silikal Primer

Base



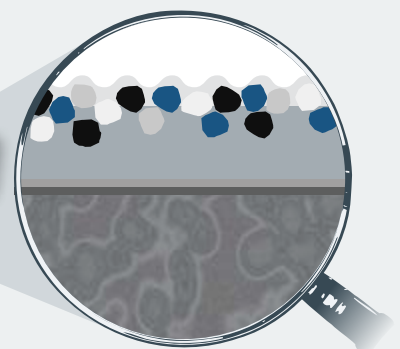
Certified Quality and Ecology
Management Systems
Reg. No. 73 100 / 104 663



Our systems comply
with the Halal
European guidelines



Our systems are certified
by HACCP international



SILIKAL® System B: Wet Areas SL Flex



Substrate requirements

Cementitious substrates must be free of laitance, dust, oil, fat, grease and other contamination. The substrate should have a compressive strength of minimum 25 N/mm², a pull-off strength of at least 1.5 N/mm². The substrate must be dry and the moisture content below 4% CM. An adequate damp proof membrane must be installed underneath of the concrete slab.

Products

- ▶ Silikal Standard Primer like SILIKAL® Resin RU380 (Primer depends on the substrate. Please refer to the Silikal Primer Table or contact our technical department.)
- ▶ Optional Elastomeric Membrane: SILIKAL® RU 321 – Class III membrane certified to AS 4654.1 and AS/NZS 4858, can be incorporated where required.
- ▶ Silikal Main Coat consists of SILIKAL® Resin RU368 or comparable, mixed with SILIKAL® Filler SL.
- ▶ Silikal Natural Quartz or Silikal Coloured Quartz for blended colour options
- ▶ Silikal Top Coat like SILIKAL® resin R82 or comparable

For complete technical details, material consumption, hardener quantities, guideline recipes please refer to the latest Silikal Technical Documentation and Product Data Sheet of the relevant products or consult our technical department.

Technical Data

Curing time:	1 hour
Slip resistance:	R11 to R13 (DIN 51130) depending on the clients requirements
Compressive strength:	35 N/mm ² (EN ISO 604)
Tensile strength:	14 N/mm ² (EN ISO 527-2)
Flexural strength:	24 N/mm ² (EN ISO 527-2)
Abrasion resistance:	Class AR 1 – Heavy duty
Temperature resistance:	0 °C to +60 °C (+80 °C for short periods, e.g. for cleaning purposes)
Chemical resistance:	Refer to Silikal Chemical Resistance Table
Water Vapour Permeability:	Class II (EN ISO 7783-2)
Fire behaviour:	C _{fl} s1 (EN ISO 13501)
Thickness:	4 – 6 mm
Colour Range:	Please refer to Silikal Colour Concept

Application

Only approved applicators, licensed by Silikal should be used for application. Please contact Silikal to obtain details of your local qualified applicator.

Cleaning and Maintenance

Please refer to our Silikal Cleaning Manual.

Safety and Hygiene

SILIKAL® System B Wet Areas SL Flex is in compliance with regulation (EC) 1935/2004 on materials intended to come into contact with food and repealing directives (ISEGA) and certified by HACCP International. For food processing companies it is essential to use a floor coating like the Silikal systems which fulfill the criteria of HACCP in terms of hygiene and food safety. Please refer to most recent Material Safety Data Sheets for chemical, physical and other safety-related data.

Warranty

Silikal warrants that materials shipped to buyers are at the time of shipment substantially free from material defects and will perform according to Silikal published literature if used strictly in accordance with Silikal's prescribed procedures.

Service

For further information or support please contact Silikal directly.

Solid Colour Options



Coloured Quartz Options

