

SILIKAL® System B Heavy Duty SL Flex



Expect more from your floor.

SILIKAL® System B Heavy Duty SL Flex is a fast-curing, flexible and durable MMA flooring system designed for areas exposed to high mechanical stresses, with a rapid one-hour cure that minimises downtime. It incorporates a flexible, hard-wearing layer providing durability against mechanical stress and thermal loads. 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

- ▶ Areas with high mechanical stresses
- ▶ Areas requiring waterproofing and heavy-duty resistance to vehicle/forklift traffic, machinery loads, impact and abrasion

Advantages

- ▶ Extremely short curing time. Each layer cures in one hour, reaching full resistance just one hour after the final coat.
- ▶ Excellent chemical resistance
- ▶ High mechanical resistance
- ▶ Variable slip resistance
- ▶ Seamless and hygienic finish
- ▶ Easy to clean and maintain
- ▶ Certified by HACCP International
- ▶ Outstanding resistance to ageing and weathering
- ▶ Meets the Green Building Council of Australia's VOC requirement
- ▶ Excellent UV resistance
- ▶ Various colours



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

System configuration

Hard / Flexible Top Coat

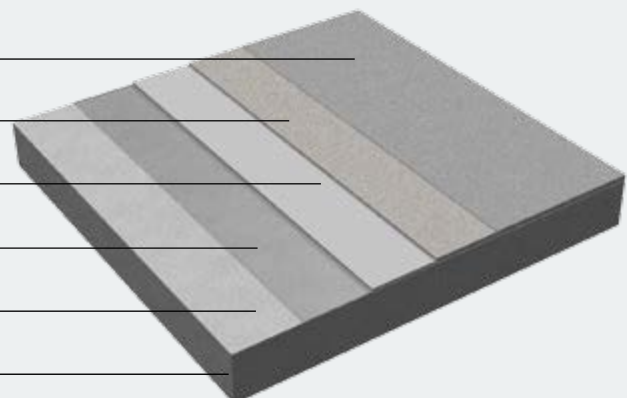
Silikal Quartz Broadcast

Silikal Main Coat

Optional: Silikal Membrane

Silikal Primer

Base



SILIKAL® System B Heavy Duty 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 Quartz for Slip-Resistance
- ▶ Silikal Top Coat like SILIKAL® Resin RF7000, RF6200 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:	See adjacent colour options

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 Heavy Duty 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.

Colour Options

