

# SILIKAL® System B: Quartz TA



**Expect more from your floor.**

SILIKAL® System B is a fast curing, decorative, hard wearing, methyl methacrylate coating. The mix of resin and Coloured Quartz is compressed and leveled by trowel. This mix creates an extra compact screed which can withstand highest mechanical and chemical loads

SILIKAL® System B is ideal for renovations and new projects because it reduces downtime to the minimum.

### Uses:

- ▶ For areas with moderate to extreme high mechanical stresses
- ▶ Dry and wet production areas
- ▶ Industrial kitchen
- ▶ For areas with high chemical load

### Advantages:

- ▶ Extremely short curing time. After two hours full mechanical and chemical resistance
- ▶ 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
- ▶ Application is possible on various substrates
- ▶ Good UV resistance
- ▶ Various colours



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



Certified according to AgBB evaluation scheme



Our products comply with the Halal european guidelines



Our products are certified by HACCP international

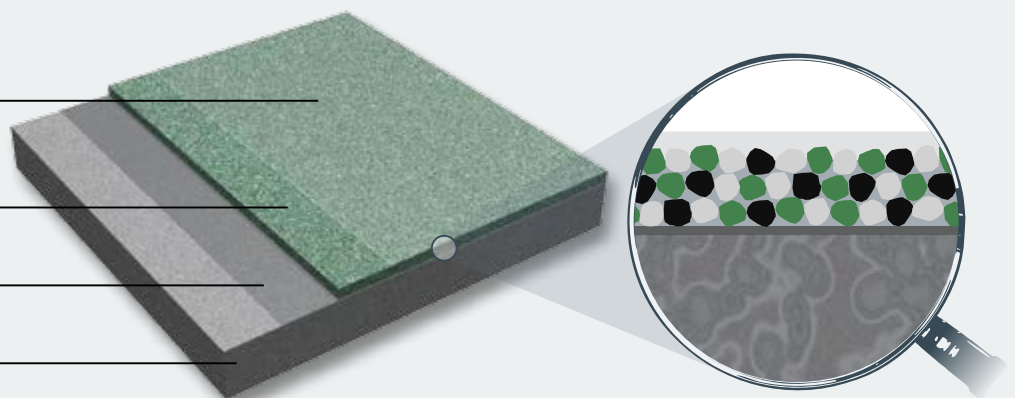
### System configuration

**Silikal Top Coat**

**Silikal Coloured Quartz Troweled**

**Silikal Primer**

**Base**



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Trowel applied MMA system with Coloured Quartz

## 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/mm<sup>2</sup>, a pull-off strength of at least 1.5 N/mm<sup>2</sup>. 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 R 51 (Primer depends on the substrate. Please refer to the Silikal primer table or contact our technical department)
- ▶ Silikal Main Coat resin like SILIKAL® resin R 61 or comparable
- ▶ Silikal Coloured Quartz
- ▶ Silikal Top Coat like SILIKAL® resin R 71 or comparable

For complete technical details, material consumption, hardener quantities, guideline recipes please refer to the latest Silikal Technical documentation and technical datasheets 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:	45 N/mm <sup>2</sup> (EN ISO 604)
Tensile strength:	13 N/mm <sup>2</sup> (EN ISO 527-2)
Flexural strength:	24 N/mm <sup>2</sup> (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:	E <sub>n</sub> (EN ISO 13501)
Thickness:	3 – 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 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.



## We see to the best solution.

The best solutions require know-how and experience. We can provide it. When we go out on site to analyse a problem, we know what we're doing. Practical help, friendly and, of course, reliable.

Contact us. We would be pleased to go into detail with you – at no cost or obligation to you, of course.



Silikal production and administration in Mainhausen, near Frankfurt/Main, Germany.



## Expect more from your floor.

### Silikal GmbH

Reactive resins and polymer concrete for industrial floors and civil engineering projects

Ostring 23

D-63533 Mainhausen – Germany

Phone: +49 (0) 61 82 / 92 35-0

Fax: +49 (0) 61 82 / 92 35-40

mail@silikal.de

www.silikal.de