

SILIKAL® RE 77 resin is a solvent-free, highly viscous glossy 2-component EP-based top coat that offers better resistance to solvents. It is used as a top coat solely on floors into which SILIKAL® Coloured Flakes or coloured quartz have been sprinkled in liberally.

### Application

In areas exposed to greater stresses from solvent-type chemicals such as alcohols (pharmaceutical industry), paint thinners (paint industry) or engine/brake cleaners (car workshops), SILIKAL® RE 77 offers enhanced resistance. SILIKAL® RE 77 resin is only to be applied if the surface of the coat underneath has been liberally sprinkled with SILIKAL® Coloured Flakes or SILIKAL® Coloured Quartz. Smooth coatings are less suitable as a substrate for SILIKAL® RE 77.

### Advice on application

SILIKAL® RE 77 resin is supplied in two separate packing units (component A = 20 kg and component B = 10 kg). Before application, both components are mixed together intensively for about 2 – 3 minutes using an agitator. If smaller quantities are required, the components are to be mixed in the ratio A = 100 and B = 50.

The surface must be free of sprinkled material (use a vacuum cleaner) before the top coat is applied. A rubber blade can be used for preliminary spreading. Thus wetted, the surface is evenly rolled crosswise by means of a fine Perlon roller until the desired coat thickness of 400 – 700 g/m<sup>2</sup> has been reached. A second coat of a further approx. 300 – 400 g/m<sup>2</sup> is possible if, for instance, a smooth surface is desired. Nevertheless, the second coat must be applied within 12 hours of the earliest accessibility in order to ensure good inter-layer adhesion.

The total thickness of the SILIKAL® RE 77 sealer coat may not exceed 1 mm.

For more reliable curing, a minimum substrate temperature of +14 °C is required. The pot life is about 30 minutes at +20 °C. Full chemical resistance and resistance against water is achieved after at least 7 days. For the exact quantities, please refer to the table “**Reaction times**”.

Under no circumstances may solvents be added to dilute or adjust the viscosity. Suitable solvents such as SILIKAL® Cleaner must be used to clean the tools and equipment.

SILIKAL® RE 77 resin has been adequately tested by Silikal and released for use. However, this does not release the user from his duty of care, in particular to test the product and its application for suitability, particularly in combination with other products or systems.

### Guideline recipe and batch quantities


| Item | Component              | Guideline recipe (% by weight) | Comments                                              | Batch for 30 litre bucket |                            |
|------|------------------------|--------------------------------|-------------------------------------------------------|---------------------------|----------------------------|
| 1    | SILIKAL® RE 77 A resin | 66.7 %                         | 1 packing unit Component A                            | 20 kg                     | approx. 17.4 litres        |
| 2    | SILIKAL® RE 77 B resin | 33.3 %                         | 1 packing unit Component B                            | 10 kg                     | approx. 9.8 litres         |
|      | <b>Total:</b>          | <b>100 %</b>                   | <b>Average consumption: 400 – 700 g/m<sup>2</sup></b> | <b>30 kg</b>              | <b>approx. 27.2 litres</b> |

## Characteristics of RE 77 in summary

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| Mixing ratio      | Component A (resin) = 100 parts by weight<br>Component B (hardener) = 50 parts by weight |
| Temperature range | min. +14 °C, max. +35 °C                                                                 |
| Maximum humidity  | 75 % air humidity                                                                        |
| Consumption       | approx. 400 – 700 g/m <sup>2</sup><br>depending on surface roughness                     |
| Packaging         | 20 kg hobbock (resin component)<br>10 kg bucket (hardener component)                     |

## Reaction times (approx.)

|          | +15 °C     | +20 °C     | +30 °C     |
|----------|------------|------------|------------|
| Pot life | 45 minutes | 30 minutes | 20 minutes |

|  Other applicable documents | Data sheet | Page      |
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| General processing information                                                                                 | AVH        | 89 – 92   |
| Chemical resistance                                                                                            | CBK        | 100 – 101 |
| Information on safety and protection                                                                           | SUS        | 102 – 103 |
| Storage and transport                                                                                          | LUT        | 104 – 106 |
| General cleaning advice                                                                                        | ARH        | 107 – 108 |