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## General test certificate

issued according to the regulations of the building supervisory authority

Test certificate No.

**P 11779 / 19-567**

Subject:

**Silikal® Harz RU 320 and  
Silikal® Harz RU 320 Thix**

Intended use:

Building product for generating a sealing in conjunction with tile and slab coverings  
pursuant to *Verwaltungsvorschrift Technische Baubestimmungen* (VwV TB - Administrative Technical Regulations for the building sector), running number C 3.27

Applicant:

**Silikal GmbH  
Ostring 23  
63533 Mainhausen**

Date of issue:

**September 10, 2019**

Period of validity:

**until September 9, 2024**

Due to this general test certificate which has been issued according to the regulations of the building supervisory authority, the above building product can be used in accordance with the building codes of the individual federal states.

This general test certificate comprises 11 pages, including  
1 annex with 4 pages.



## 1 SUBJECT OF THE TEST AND FIELD OF APPLICATION

### 1.1 Subject of the test

This general test certificate applies to the building product

|                                  |                |
|----------------------------------|----------------|
| <b>SILIKAL® HARZ RU 320</b>      | <b>(floor)</b> |
| <b>SILIKAL® HARZ RU 320 Thix</b> | <b>(wall)</b>  |

pursuant to the *Verwaltungsvorschrift Technische Baubestimmungen*, running number C 3.27 in the currently valid version.

### 1.2 Fields of application

The building products **Silikal® Harz RU 320** and **SILIKAL® HARZ RU 320 Thix** must be used for the waterproofing of buildings in conjunction with tile and slab coverings exclusively with the adhesives

- **PCI Durapox Premium**
- **Sopro's NO:1 S1 tile adhesive**
- **MFK Multiflex S1 adhesive**

with

**floor and wall**

being the admissible fields of application. These fields of application also refer to

#### **exposure classifications A1 / A2:**

Directly exposed indoor wall (A1) and floor (A2) areas as well as outdoor wall and floor areas connected with buildings that are frequently, or for a longer time, exposed to process and cleaning water, such as walkways around swimming pools and showers (public or private). This conforms to the water exposure classes W2-I and W3-I pursuant to DIN 18534-1 without exposure to chemicals.

#### **exposure classification B:**

Wall and floor areas of indoor or outdoor vessels, such as swimming pools and drinking water tanks, that are directly exposed to fill-up water with drinking water properties, if they are directly connected with buildings, or border on buildings, up to a maximum filling level of a 6 m water column. This conforms to the water exposure classes W1-B & W2-B pursuant to DIN 18535-1.

#### **exposure classification C:**

Directly and indirectly exposed wall and floor areas in rooms that are frequently, or for a longer time, exposed to process and cleaning water, with the exposure to chemicals being limited. These places include, *inter alia*, commercial kitchens and laundries, if the exposure to chemicals there is expected to be limited. This conforms to water exposure class W3-I pursuant to DIN 18534-1 with exposure to chemicals.

An exception are rooms which must be assigned to facilities for handling water-endangering substances in accordance with Article 62 of the [German] Water Management Act (WHG).

## 2 REQUIREMENTS CONCERNING THE BUILDING PRODUCT

### 2.1 Composition, properties and parameters

#### 2.1.1 Composition

The building products **Silikal® Harz RU 320** and **Silikal® Harz RU 320 Thix** can be allocated to the following group of waterproofing materials:

**Reactive resins**, enriched mixtures of synthetic resins and organic additives with or without mineral fillers. The curing process is a chemical reaction.

This also applies to the primer.

*Overview: System components*

| System components  | Description <sup>1)</sup>  |
|--|--|
| <i>Silikal® Harz RU 380</i>  | reactive, medium-viscous primer for absorbent and non-absorbent substrates on PMMA basis |
| <i>Silikal® Harz RU 320 (floor)</i><br><i>Silikal® Harz RU 320 Thix (wall)</i> | waterproofing<br>flexible reactive resin for waterproofing on PMMA basis                 |
| <i>Silikal® TEX fabric lining</i>  | polyester-reinforced fabric (110 g/m <sup>2</sup> )                                      |

*Overview: Tile adhesive*

| Tile adhesive                        | Description <sup>1)</sup>  |
|--------------------------------------|--|
| <i>PCI Durapox Premium</i>           | epoxy resin mortar   |
| <i>Sopro's NO:1 S1 Tile adhesive</i> | cement-like, highly deformable S1 flexible adhesive                      |
| <i>MFK Multiflex S1 adhesive</i>     | cement-containing, highly flexible combination adhesive for laying tiles |

<sup>1)</sup> This information is based on the details furnished by the product manufacturer.

The minimum dry waterproofing layer has a thickness of 1.2 mm.



### 2.1.2 Properties

The waterproofing for buildings performed with **Silikal® Harz RU 320** and **Silikal® Harz RU 320 Thix** has the following properties and is sufficient for the fields of application specified in sub-section 1.2 above:

- high adhesive strength
- temperature and ageing resistant
- frost-resistant
- resistant to caustic potash
- impermeable to water
- crack bridging

The product has a normal inflammability and belongs to building material class B 2 pursuant to DIN 4102-1 and in accordance with test report P3286-1 of the Polymer Institut. In addition to that, the building material class B<sub>ROOF</sub>(t1) has been certified in classification report No. 230009551-2 and in test report No. 230009551 of the Material Testing Institute (MPA) of North Rhine-Westphalia.

The product's usability has been proved on the basis of the test principles for waterproofing materials that have to be processed in the liquid state for tile and slab coverings by the Polymer Institut in its test reports P3286-1 and P 11779 of September 10, 2019.

### 2.1.3 Parameters

The parameters of the source materials and those of the mixed materials can be taken from the test report P 11779 of the Polymer Institut dated September 10, 2019.

## 2.2 Production, packaging, transport, storage

### 2.2.1 Production

The building products **Silikal® Harz RU 320** and **Silikal® Harz RU 320 Thix** must only be produced in the Mainhausen Works.

### 2.2.2 Packaging, transport, storage

The information provided on the cans about the requirements concerning other areas of law (e.g. hazardous substances or transport law) shall be observed.

Moreover, the relevant information from the manufacturer, such as instructions concerning the frost-free storage, the shelf life of unopened cans etc., shall be provided or referred to accordingly.

## 2.3 Application planning

When applied on the floor:

| Layer/coating | System component   |
|---------------|--|
| Primer        | Silikal® Harz RU 380   |
| Waterproofing | Silikal® Harz RU 320 with Silikal® TEX fabric lining   |
| Wear layer    | Silikal® Harz RU 320 blinded with an excess of quartz sand (approx. 4 000 g/m <sup>2</sup> ) |
| Tile adhesive | PCI Durapox Premium  |
|               | Sopro's NO:1 S1 tile adhesive  |
|               | MFK Multiflex S1 adhesive  |

When applied on the wall:

| Layer/coating | System component  |
|---------------|---|
| Primer        | Silikal® Harz RU 380  |
| Waterproofing | Silikal® Harz RU 320 Thix with Silikal® TEX fabric lining   |
| Wear layer    | Silikal® Harz RU 320 Thix blinded with an excess of quartz sand (approx. 4 000 g/m <sup>2</sup> ) |
| Tile adhesive | PCI Durapox Premium   |
|               | Sopro's NO:1 S1 tile adhesive   |
|               | MFK Multiflex S1 adhesive   |

To be used additionally for floor-wall connections, corners and gullies:

- Tapes: Silikal® TEX
- Packings/collars: Silikal® TEX
- Silikal® TEX internal corner
- Silikal® TEX external corner

Cracks in the substrate must not expand by more than 0.2 mm after being coated.

## 2.4 Execution

The waterproofing components **Silikal® Harz RU 320** or **Silikal® Harz RU 320 Thix**, respectively, will be applied in 2 layers as „waterproofing layer“ and „wear layer“:

The dry waterproofing layer has a thickness of at least 1.2 mm, vertically or horizontally.

The dry wear layer has a minimum thickness of 1.9 mm.

When processing the waterproofing system, the manufacturer's processing instructions shall be observed (see Technical Documentation in the Annex).

### **3 CERTIFICATE OF CONFORMITY**

#### **3.1 General**

According to the Hessian *Verwaltungsvorschrift Technische Baubestimmungen* (H-VV TB) of June 2018, running number C 3.27, the compliance of the building product with the requirements of this general test certificate that has been issued according to the regulations of the building supervisory authority shall be proved by a declaration of compliance issued by the manufacturer on the basis of an in-company production control (WPK) and after the examination of the building product by an agency recognized by the building supervisory authority before the compliance is confirmed (initial test).

#### **3.2 Initial test (EP)**

The initial test shall be carried out in accordance with the „Test principles for waterproofing materials to be processed in the liquid state in conjunction with tile and slab coverings” pursuant to Tables 1 & 2 of the test principles for „reactive resins“.

The test values must only deviate from the parameters pursuant to sub-section 2.1.3 hereof up to the maximum tolerances stated in the said test principles.

#### **3.3 In-company production control (WPK)**

The in-company production control shall be organized and carried out in the production work specified in sub-section 2.2.1 hereof. The regulations for in-company production controls contained in Building Rules List A of the German Institute for Construction Technology (DIBt) shall be observed.

The in-company production control includes the tests for reactive resins listed in Table 3 of the test principles for waterproofing materials to be processed in the liquid state in conjunction with tile and slab coverings. The test values must only deviate from the parameters pursuant to sub-section 2.1.3 hereof up to the maximum tolerances stated in the said test principles.

The tests shall be carried out at least once a week during the running production process, otherwise once for each charge/batch. If the test raster is oriented on particular production sequences or charge/batch sizes, it must be ensured that the regularity and uniformity of the product composition is subjected in the same way to controls. The results of the in-company production control shall be recorded, assessed and kept for at least five years.

### **5 LEGAL BASIS**

This general test certificate that is issued according to the regulations of the building supervisory authority is awarded pursuant to Article 22 of the Hessian Building Code (HBO) of July 2018 in connection with the Hessian *Verwaltungsvorschrift Technische Baubestimmungen* (H-VV TB) of June 2018, running number C 3.27.

## 6 GENERAL PROVISIONS

- 6.1 This general test certificate does not replace permits, approvals and certificates required by law for building projects.
- 6.2 This general test certificate is issued irrespective of third-party rights, especially private industrial property rights.
- 6.3 The entrepreneur shall keep the general test certificate ready for inspection at the building site.
- 6.4 The general test certificate must only be duplicated in its entirety. The publication of extracts only requires the approval of the Polymer Institut. Texts and drawings in advertising publications must not contradict the content of this general test certificate. Translations of the general test certificate not made by the Polymer Institut itself must be endorsed with the note „Translation from the German original not verified by the Polymer Institut“.

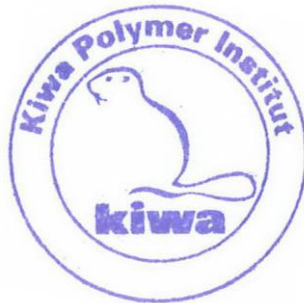
## 7 LEGEL REMEDIES

An objection or legal action against this general test certificate shall be admissible in accordance with the legal regulations in the country of the applicant's registered office. When exercising the right to object, the objection shall be filed in writing within one month after receipt of this general test certificate or recorded at Kiwa GmbH, Polymer Institut, Quellenstraße 3, 65439 Flörsheim-Wicker. The date of the objection being received by Kiwa GmbH, Polymer Institut, shall be decisive for the compliance with this deadline.

Flörsheim-Wicker, 10.09.2019

A handwritten signature in blue ink, appearing to read "N. Machill".

Dipl.-Ing. (FH) N. Machill  
Prüfstellenleiterin  
(Head of test center)



## SILIKAL® RU 320 resin pigmented/thix

### Highly flexible reactive resin for waterproofings



#### Product description

SILIKAL® RU 320 resin pigmented, is a polyurethane modified, self levelling methacrylate resin system that is suitable for creating watertight membranes on a wide variety of substrates. The formulation SILIKAL® RU 320 resin thix, can also be used for coating on rising or very steeply inclined surfaces.

#### Properties

- Highly flexible
- Good crack bridging
- Very easy to apply
- Application even at low temperatures
- Very good intercoat adhesion
- Quickly treatable

#### Application

SILIKAL® RU 320 resin pigmented/thix, is a urethane modified medium viscosity or thixotropic membrane resin based on an acrylic resin. SILIKAL® RU 320 resin pigmented/thix, is supplied ready-filled and pigmented. The addition of the SILIKAL® hardening powder triggers curing.

Properly cured SILIKAL® RU 320 resin pigmented/thix, creates a highly flexible, crack-bridging membrane layer that retains its flexibility even at very low temperatures.

SILIKAL® RU 320 resin pigmented/thix, can be applied in the temperature range from 0 °C to +30 °C. Addition of the accelerator (SILIKAL® ZA additive) also enables application in the range from 0 °C to -10 °C.

#### Preparation of the substrate.

The surface to be coated must be solid, dry, free of dust, grease and oil, as well as firm. Cementitious surfaces may be prepared e.g. by shot-peening. Before applying the SILIKAL® RU 320 resin pigmented/thix, always prime the substrate appropriately, possibly including scattering loosely with silica sand of grain size 0.7 – 1.2 mm. Observe the relevant product data sheets on the processing of the primer.

Before application, stir the container in which the product is supplied thoroughly to distribute the paraffin evenly and ensure that the material hardens reliably. The amount of Silikal hardening powder to be added depends on the temperature. Please refer to the table “**Hardener dosages**” for the relevant values.

At temperatures below 0 °C, also incorporate SILIKAL® ZA additive. Observe the technical data sheet “**SILIKAL® ZA additive**”.

#### Guideline recipe and standard batch

| Item | Component                            | Guideline recipe<br>(% by weight) | Comments  | Batch size   |  |
|------|--------------------------------------|-----------------------------------|---|--------------|--|
|      |                                      |                                   |   |              |  |
| 1    | SILIKAL® RU 320 resin pigmented/thix | 100 %                             |   | 10 kg        |  |
|      | <b>Total:</b>                        | <b>100 %</b>                      | <b>Average consumption:<br/>1.3 kg/m<sup>2</sup> per mm thickness</b> | <b>10 kg</b> |  |
| 2    | SILIKAL® hardening powder            | 1 – 6 %, relative to item 1       | See “Hardener dosages” table for quantities                           | 100 – 600 g  |  |

#### Characteristics of RU 320 pigmented/thix, as delivered

| Property  | Measuring method | Approx. value  |
|---|------------------|--|
| Viscosity at +20 °C (RU 320 pigmented)                  | DIN 53 015       | 2,000 – 3,000 mPa · s                                      |
| Viscosity at +20 °C (RU 320 thix)                       |                  | Pasty  |
| Density D <sub>4</sub> <sup>20</sup> (RU 320 pigmented) | DIN 51 757       | 1.13 g/cm <sup>3</sup>                                     |
| Flash point   | DIN 51 755       | +10 °C   |
| Pot life at +20 °C<br>(100 g, 2 % w/w hardening powder) |                  | Approx. 15 min.  |
| Processing temperature<br>(substrate temperature)       |                  | 0 °C to +30 °C<br>-10 °C to 0 °C with SILIKAL® ZA additive |

#### Silikal product information

Issue HLA 1.10.A

August 2014

Data sheet SILIKAL® RU 320 PT

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## SILIKAL® RU 320 resin pigmented/thix

Highly flexible reactive resin for waterproofings




### Characteristics of RU 320 pigmented/thix, in the hardened state

| Property                | Measuring method | Approx. value         |
|-------------------------|------------------|-----------------------|
| Adhesive pull strength  | EN ISO 527       | >2 N/mm <sup>2</sup>  |
| Tensile stress at break | EN ISO 527       | 3.3 N/mm <sup>2</sup> |
| Crack bridging          |                  | 1.55 mm               |
| Elongation at break     | EN ISO 527       | 157 %                 |

### Hardener dosages

| Temperature | Hardening powder<br>% w/w * | Pot life<br>approx. min | Hardening time<br>approx. min |
|-------------|-----------------------------|-------------------------|-------------------------------|
| 0 °C        | 6.0                         | 20                      | 80                            |
| +10 °C      | 4.0                         | 15                      | 60                            |
| +20 °C      | 2.0                         | 15                      | 60                            |
| +30 °C      | 1.0                         | 8                       | 40                            |

\* The quantity of hardening powder is always relative to the quantity of resin.

 For further information, please refer to the separate product information sheet **SILIKAL® hardening powder**®.

### Safety advice

Wear suitable protective clothing (gloves and goggles) when applying. Avoid contact with the eyes and skin. For further information, please refer to the safety data sheet.

### Delivery form

- 10 kg bucket
- 20 kg bucket

### Shelf life

6 months if stored in the unopened original container in a cool (< 25 °C), dry and frost-free location. The optimal storage temperature is +15 °C to +20 °C. Do not expose to direct sunlight!

### Labelling

Giscode: RMA 10

Resin: Xi irritant

### Disposal

Fully hardened material can be disposed of as domestic refuse.

Recycle completely empty containers.

Dispose of liquid material as waste paint that contains solvents or other dangerous substances (EWC 080111).



#### Other applicable documents

SILIKAL® ZA additive  
SILIKAL® hardening powder  
General advice on application  
The substrate  
Fillers and pigments  
Chemical resistance  
Information on safety and protection  
Storage and transport  
General cleaning advice

#### Data sheet

SILIKAL® ZA additive  
SILIKAL® hardening powder  
AVH  
DUG  
FUP  
CBK  
SUS  
LUT  
ARH

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### Silikal product information

Issue HLA 1.10.A

August 2014

Data sheet SILIKAL® RU 320 PT

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## SILIKAL® RU 320 resin

High flexible resin for water proofings on concrete



SILIKAL® RU 320 resin is a modified methacrylate resin of high flexibility which is suitable for water proofings on interior and exterior concrete surfaces.

SILIKAL® RU 320 resin is permanent flexible and can follow thermic movements of the concrete. As a result of the high flexibility water proofings appear a little bit tacky on its own surface and might lead to a certain absorbancy of air dust-polution like any other materials. This fact can be ignored when the membrane layer anyway will be overlaid by another concrete screed or tiles. For better light stability always add a small amount of 2 – 5 % SILIKAL® Pigment Powder.

In order to work out an individual solution for your job please contact our Technical Department for detailed informations.

### Application

**Membranes or water proofings requiring an approval for overlays made of concrete screed or tiles i.e. for balconies, swimming pools, bath rooms or other concrete floor constructions.**

After preparing the concrete surface according to the technical rules (ball blasting, grinding, cleaning etc) apply first the primer SILIKAL® R 51 resin as normally. After curing apply the coating mixture according to the formulation given in table 1. Depending on your skill and experience different tools to spread the coating material can be used, such like Mohair-rollers, comb trowel or smooth trowel. It is important to avoid blisters during the application. Two layers of 1 – 1,5 mm each will be necessary. Also consider to apply the material up the walls, columns or fixed machineries atleast 5 – 10 cm to avoid water leakage. In case of overlaying with tiles the last coating surface must be sprinkled fully with SILIKAL® Filler QS 0,7 – 1,2 mm to provide a good bond to the tile adhesive mortar. Self stable concrete screeds of more than 5 cm thickness can be layed on directly without sand sprinkling. The total thickness of the water proofing membrane will be appr. 2 – 2,5 mm.

For these application areas we can provide German Approvals for the following classes:

- Application Area A:** Water spillage on wet surfaces on floors (A2) and walls (A1) caused by cleaning water or water of natural use, such like swimming pool surroundings or in public bath or shower rooms.
- Application Area B:** Interior and exterior wall and floor surfaces of swimming pools filled with water of drinking category. For special salt waters used for medical purpose an individual approval will be necessary.
- Application Area C:** Walls- and floor surfaces in commercial establishments, also in connection with light chemicals ( i.e. car wash, kitchens, canteens, food precessing) except for those chemicals which require special and additional approvals (regulations concerning the ground water protection act § 19 WHG).

SILIKAL® RU 320 waterproofing also meets the technical requirements underneath of SILIKAL coating system B and C which is not included in the approval as the above mentioned approval does not cover this application.

Water proofings made of SILIKAL® RU 320 resin on concrete roofs without additional coverings made of concrete screeds or tiles will have to pass additional national testings and approvals depending on the country's regulations and requirements. SILIKAL can not provide approvals for this applications.

### Guideline recipe and batch quantities

| Item | Component                       | Guideline recipe<br>(% by weight) | Comments  | Batch for<br>10 litre bucket |                               |
|------|---------------------------------|-----------------------------------|---|------------------------------|-------------------------------|
|      |                                 |                                   |   |                              |                               |
| 1    | SILIKAL® RU 320 resin           | 74 %                              |   | 7,4 kg                       | 7,4 litres                    |
| 2    | SILIKAL® Filler QM              | 20 %                              |   | 2 kg                         | approx.<br>2.1 litres         |
| 3    | SILIKAL® Pigment Powder         | 5 %                               |   | 500 g                        |                               |
| 4    | SILIKAL® Anti-flow Additive TA2 | 1 %                               |   | 100 g                        |                               |
|      | <b>Total:</b>                   | <b>100 %</b>                      | <b>Average consumption:<br/>1.3 kg/m<sup>2</sup> per mm thickness</b> | <b>10 kg</b>                 | <b>approx.<br/>7.7 litres</b> |
| 5    | SILIKAL® Hardening Powder       | 1 – 6 %<br>related to item 1      | See "Hardener dosages" table for quantities                           | 75 – 450 g                   |                               |

The mixing device (dissolver) must be EX-proof. Stir moderately to avoid self heating during the process (max. +35 °C).

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#### Silikal product information

Issue MMA 4.01.A  
March 2017  
Data sheet SILIKAL® RU 320  
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## SILIKAL® RU 320 resin

### High flexible resin for water proofings on concrete



### Characteristics of RU 320 as delivered

| Property   | Measuring method | Approx. value          |
|--|------------------|------------------------|
| Viscosity at +20 °C                                      | DIN 53 015       | 300 – 500 mPa · s      |
| Flow time at +20 °C, 6 mm cup                            | ISO 2431         | 80 – 110 sec.          |
| Density D <sub>4</sub> <sup>20</sup>                     | DIN 51 757       | 0.99 g/cm <sup>3</sup> |
| Flash point  | DIN 51 755       | +10 °C                 |
| Pot life at +20 °C<br>(100 g, 2 % pbw. hardening powder) |                  | 12 – 15 min.           |
| Application temperature                                  |                  | 0 °C to +30 °C         |
| Ultimate elongation when hardened                        |                  | 180 % at +23 °C        |

### Hardener dosages

| Temperature | Hardening powder<br>% pbw. * | Pot life<br>approx. min. | Hardening time<br>approx. min. |
|-------------|------------------------------|--------------------------|--------------------------------|
| 0 °C        | 6.0                          | 20                       | 80                             |
| +5 °C       | 5.0                          | 20                       | 60                             |
| +10 °C      | 4.0                          | 15                       | 40                             |
| +15 °C      | 3.0                          | 15                       | 40                             |
| +20 °C      | 2.0                          | 15                       | 40                             |
| +25 °C      | 1.5                          | 10                       | 30                             |
| +30 °C      | 1.0                          | 8                        | 25                             |

\* The quantity of hardening powder is always related to the quantity of resin.

👁 For further information, please refer to the separate product information sheet "SILIKAL® Hardening Powder".

| CE  |                    |
|---|--------------------|
| SILIKAL GmbH · Ostring 23 · 63533 Mainhausen · Germany            |                    |
| 10 <sup>1</sup>   |                    |
| RU 320 - 001  |                    |
| EN 13813 SR-AR1-B1,5-IR4  |                    |
| Synthetic resins for internal uses                                |                    |
| (Application in accordance with the newest technical information) |                    |
| Reaction to fire:   | E <sub>1</sub>     |
| Release of corrosive substances<br>(Synthetic Resin Scaled):      | SR                 |
| Water permeability:   | NPD <sup>2)</sup>  |
| Wear resistance (Abrasion Resistance):                            | AR 1 <sup>3)</sup> |
| Bond strength:  | B 1,5              |
| Impact resistance:  | IR 4               |
| Sound insulation:   | NPD <sup>2)</sup>  |
| Sound absorption:   | NPD <sup>2)</sup>  |
| Thermal resistance:   | NPD <sup>2)</sup>  |
| Chemical resistance:  | NPD <sup>2)</sup>  |

### CE-labelling

<sup>1)</sup> Last two digits of the year in which the ce marking was affixed.

<sup>2)</sup> NPD = No performance determined.

<sup>3)</sup> Refers to a smooth surface without broadcasting.

| Other applicable documents           | Data sheet                | Page      |
|--------------------------------------|---------------------------|-----------|
| SILIKAL® Hardening Powder            | SILIKAL® Hardening Powder | 96 – 97   |
| General processing information       | AVH                       | 98 – 101  |
| The substrate                        | DUG                       | 102 – 104 |
| Fillers and pigments                 | FUP                       | 105 – 108 |
| Chemical resistance                  | CBK                       | 109 – 110 |
| Information on safety and protection | SUS                       | 111 – 112 |
| Storage and transport                | LUT                       | 113 – 115 |
| General cleaning advice              | ARH                       | 116 – 117 |

### Silikal product information

Issue MMA 4.01.A

March 2017

Data sheet SILIKAL® RU 320

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