



## SAKRET RS repair composition

19 10 14

Fast hardening repair composition for concrete materials (mortar strength class R2 in compliance with standard EN 1504-3)

### Application:

- For repair of forming defects in concrete materials (grooves, deepening, unfilled places in moulds etc.);
- For repair of defects resulted by exploitation (wrecked corners, mechanically formed deepening and unnecessary boreholes, broken corners of stair steps etc.);
- For vertical and horizontal surfaces;
- For interior and exterior works;
- Can be used on fresh and used concrete;
- Must not be used on concrete with compressive strength lower than  $15\text{N/mm}^2$  and for repair of plaster;
- Manual processing.

### Qualities:

- Fast hardening;
- Water and frost resistant;
- Good mechanical resistance.

### Components:

- Portland cement.
- Inert fillers.
- Technological additives.

### Technical data:

Water to be added for	5 kg	1,35-1,45 l
	10 kg	2,75-2,85 l
	20 kg	5,5-5,6 l
Readiness time:	approximately 3 minutes	
Processing time:	40 minutes	
Hardening time:	~ after 3 h if layer thickness is 2 mm	
	~ after 12 h if layer thickness is 20 mm	
Compressive strength after 1 day/night	>10 MPa	
Compressive strength after 2 day/nights	>13 MPa	
Compressive strength after 7 day/nights	>18 MPa	
Compressive strength after 28 day/nights	>25 MPa	
Bending strength after 28 day/nights	>6 MPa	
Maximum layer thickness	20 mm	
Maximum grain size:	< 0,35 mm	
From 1 kg of dry mixture	approx. 0,7 litres of filler can be made	
Fire safety class	A1 (non-flammable)	

### Foundation preparation:

- Surface must be dry and firm. Surface must be cleaned off less enduring and/or detachable layers as well as off dust, dirt, oil, paint leftovers and other impurities that decrease adhesion.
- Surfaces shall be primed with primer **SAKRET UG**, diluted with water in proportion 1:3. Strongly absorbing surfaces are recommended to be primed twice.



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<b>Processing:</b>	<ul style="list-style-type: none"> <li>For preparation of repair composition, mix dry material in clean container with clean, cold water till homogeneous mixture of needed consistency, without lumps is formed. After maturation time it should be mixed repeatedly.</li> <li>Cover on surface to be repaired with metallic trowel.</li> <li>It is recommended to mould the surface to be repaired in case of larger defects.</li> </ul>
<b>Additional recommendations for application:</b>	<ul style="list-style-type: none"> <li>It is recommended to use mixer with 600 turns per minute.</li> <li>Material that has started to harden shall not be diluted with water!</li> </ul>
<b>Consumption:</b>	<ul style="list-style-type: none"> <li>Approximately 1,4 kg of dry mixture is needed, if layer thickness is 1 mm on 1 m<sup>2</sup></li> </ul>
<b>Storage:</b>	<ul style="list-style-type: none"> <li>Packing must be kept away from impact of weather conditions, stored on wooden pallets in cool and dry place, torn or opened packing must be covered immediately.</li> <li>Storage time in original, not opened packing – 12 months.</li> </ul>
<b>Utilization:</b>	<ul style="list-style-type: none"> <li>Hardened mixture shall be utilized in compliance with local legislation as construction material of mineral origin.</li> <li>Packing shall be utilized in compliance with local legislation demands.</li> </ul>
<b>Safety information:</b>	<ul style="list-style-type: none"> <li>Contains cement, reacts on moisture in alkaline way!</li> <li>Safety signs are on packing and in safety data sheets.</li> </ul>
<b>Additional information:</b>	<ul style="list-style-type: none"> <li>During hardening phase SAKRET RS must be kept away of sun beams, draught, frost and too high temperature (&gt;+25°C);</li> <li>Technical data refer to temperature +23±2°C and relative air humidity 50±5%.</li> </ul>

Product	Colour	Packing 1	Packing 2	Barcode
RS	Grey	5 kg	50 pcs. / pallet	4751006563186
RS	Grey	10 kg	33 pcs. / pallet	4751006563162
RS	Grey	20 kg	16 pcs. / pallet	4751006563179

The information provided in the technical data sheet refers to the usage of the above product, if there is no other technical documentation, prepared and issued by the producer. The producer is not responsible for losses caused by wrong usage of the given product. In case of questions or uncertainty, please contact producer or seller. Information on product's safety is available in safety data sheets, declared values – in declaration of performance.