

SILIKAL® Additive ZA supports the low-temperature hardening of methacrylic-based Silikal reactive resins in combination with dibenzyl peroxide as hardener in the temperature range from +5 °C to -25 °C.

SILIKAL® Additive ZA is a thin, brownish liquid which is stirred into the relevant methacrylic resin together with the fillers and/or pigments immediately before the coating material is applied. Only then is the hardening powder added. The added accelerator ensures better through-hardening at temperatures below +5 °C. The effect is limited to -25 °C with the simultaneous use of the greatest possible quantity of hardening powder. As a rule of thumb, the quantity to add is 1 % per -10 °C, i. e. at -25 °C the quantity is 2.5 – 3 %, and at -5 °C about 0.5 %, in relation to pure resin. These include SILIKAL® R 52, R 62, RU 320 or RV 368 resin. Other resin types on request.

SILIKAL® Additive ZA must never be used in areas above +10 °C, as this can lead to an overreaction with increased quantities of residual monomers. This will restrict the mechanical properties. Application at low temperatures will lead to very little reduction in mechanical values since sufficient heat dissipation into the surroundings is ensured. All resins and fillers must be cooled down to the low ambient temperatures in good time, as otherwise the pot life will be greatly reduced. Colourless resin types can be expected to show significant yellowing. It is therefore recommended that they are used primarily in filled and pigmented systems. If the coating is to be designed specifically for use at low temperatures, the resin types must also be suitable for that purpose, so we recommend that the highly elastic types such as SILIKAL® RV 368 be used with SILIKAL® R 62 as a top coat.

SILIKAL® Additive ZA is subject to strict safety regulations governing transport, storage and handling. Please follow the relevant instructions in the safety data sheets.



ATTENTION:

SILIKAL® Additive ZA must never come into contact with the hardening powder (see product data sheet), as otherwise an uncontrollable explosion might occur. Both substances must be stirred separately into the mass (stir before adding!).

Additive quantities, based on SILIKAL® RV 368 resin

Temperature	% pbw. Additive ZA	% pbw. Hardening powder
+5 °C to -5 °C	0.5	6
-5 °C to -10 °C	1.0	6
-10 °C to -15 °C	1.5	6
-15 °C to -20 °C	2.0	6
-20 °C to -25 °C	2.5 – 3.0	6



Other applicable documents	Data sheet	Page
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Silikal product information

Issue MMA 3.00.A

November 2014

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