

SILIKAL® RI/21 is a quick-hardening, 2-component methacrylic-based adhesive. It was developed specifically for bonding steel to concrete substrates.

Application

The bond component is mixed thoroughly with max. 5 % pbw. of hardening powder and applied on the substrate to be bonded to a thickness of 1 – 2 mm. The metal side to be bonded should be roughed and free of grease and dust.

Characteristics of RI/21 as delivered

Consistency	Pourable and spreadable, thixotropic
Density at +20 °C	1.2 g/cm ³
Viscosity at +25 °C	40 – 60 Poise
Added hardener	0 to +10 °C: 5 % pbw. +10 to +20 °C: 3 % pbw. +20 to +30 °C: 2 % pbw.

Characteristics of RI/21 in the hardened state

Temperature	Pot life	Hardening time	Tensile strength of 20 N/mm ²
-10 °C	approx. 13 min.	approx. 60 min.	after approx. 4 hours
0 °C	approx. 9 min.	approx. 45 min.	after approx. 2 hours
+10 °C	approx. 7 min.	approx. 30 min.	after approx. 2 hours
+20 °C	approx. 5 min.	approx. 20 min.	after approx. 1 hour



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