

Riverstone® 51

Low-viscous, impact resistant synthetic resin
To be applied as a grouting adhesive

Application: Thanks to its low viscosity, **Riverstone® 51** is suitable for the production of a hard & tough grouting adhesive.

Characteristics: **Riverstone® 51** is suitable for the adhesion of synthetic materials and metals also in combination with glass and polyester fibers. They are non-aging and wear-resistant. In order to obtain ideal wear rates, a strict compliance with the mix ratio is mandatory.

Features:	Chemical base	Methylmethacrylate resin with plasticiser
	Delivery form	bluish, viscous, slightly cloudy liquid
	Odour	ester-like
	viscosity	80-110 mPas (23°C Brookfield Spindel I 30 UpM)
	density	1 g/cm ³ (20°C)
	flashpoint	+ 10°C (MMA, DIN 51755)
	boiling point	+100 °C
	VbF	AI
	Processing time	20 - 25 min. with 2 % Riverstone H
	curing	e.g. with 2 % BPO 50 % curing effects at 23 °C in 17 - 23 min.
	Cleaning of tools	Riverstone® Cleanser 12
	Application	Adhesive for synthetic materials and metals
	Storage	max. 6 months – keep dry and cool (at max. 20°C)

Suggested Formulation: The grouting adhesive is being fabricated from Riverstone® 51 resin and hardener powder BPO 50% directly prior to use.

ca.- indications

98,0 GT	Riverstone® 51
2,0 GT	Riverstone® Hardener BPO 50 % strength

Attention! Depending on the application and temperature, the percentage of hardener can vary; hence we recommend testing the quantity of resin self-dependently!

Mix Riverstone® 51 and Hardener for ca. 2 min. in a suitable vessel. When utilizing a double-agitator, the mixing time of the adhesive amounts to ca. 3 min. If required, it is also possible to order the adhesive in one of the available RAL-colours. The adhesive is being processed by spilling.

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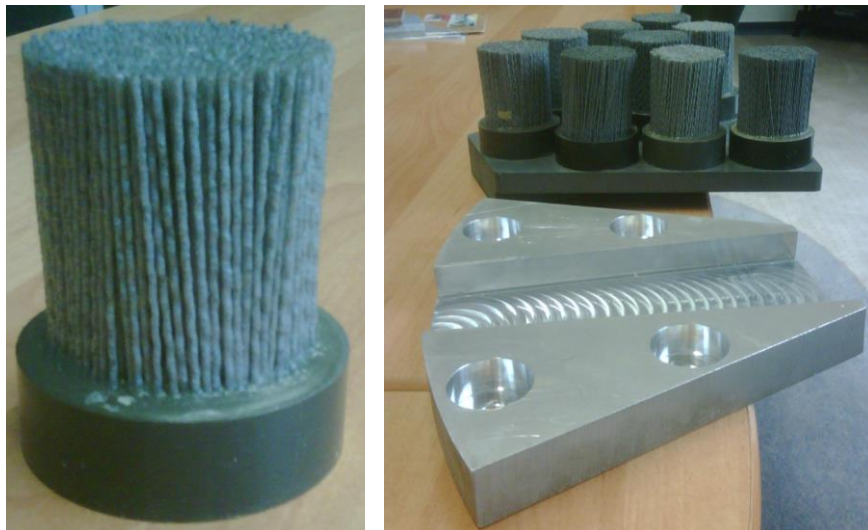
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Pot-and curing-times depending on the temperature:

Temperature(°C)	Hardener(Gew.-%)*	pot life(min.)	curing time(min.)
+ 5	4,0	ca. 20	ca. 60
+ 10	3,0	ca. 25	ca. 55
+ 20	2,0	ca. 17	ca. 35
+ 30	1,5	ca. 14	ca. 30

*(Quantity of hardener is calculated on the net quantity of the **resin component!**)

Examples:



Spilling of cleaning brushes with Riverstone 51

Hints:

Continue processing only after the adhesive has entirely cured.

At temperatures below + 5°C the addition of Accelerator 101 is mandatory (ca. 0,5 % at 0°C up to 1% at -5°C) while maintaining the ca. 4 GT % Riverstone® Hardener.

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Storage: Methacrylate resins are subject to the handling regulations of highly flammable materials. Plastifloor® resins have to be stored cool, protected from direct sun and, if possible, at temperatures between 15 – 20° C. During storage paraffin particles can deposit. Material has to be stirred up well before use. Please note the advice of our safety datasheet.

Processing: Please mind regional hints of your local job safety authority and the hazardous substances regulations!

data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.