

## Riverstone® 1020

Additive to increase reactivity and heat resistance

**Application:** Riverstone® 1020 is an additive to increase the reactivity and heat resistance of Riverstone® Pre-coating resins and Riverstone® Concrete.

**Properties:** Riverstone® 1020 makes it possible to increase Riverstone®-Concrete's heat resistance up to 140°C.

### Characteristic data:

#### Properties

#### when delivered:

	Measurement method	Value	Unit
Density, 20 °C	DIN 51757	1,04-1,05	g/cm <sup>3</sup>
Refractive index, n <sub>D</sub> 20	DIN 53491	1,46	
Colour number	DIN 53409	< 50	APHA
Acid number	DIN 53402	< 1	
Viscosity	DIN 51550	ca. 10	mPa·s
Outflow Time, ISO-beaker 3 mm	ISO 2431	30 – 35	sec
Flash point	DIN 51755	+ 136	°C

#### Processing:

The addition of 2% Riverstone® 1020 causes the polymerisation time of Riverstone®- binding agents to be shortened by 10-15 minutes. At the same time, heat resistance increases. Only by performing preliminary tests under practical conditions is it possible to optimise the process. No more than 10 % Riverstone® 1020, in relation to the Riverstone® binding agent, should be added.

If 10% Riverstone® 1020 is added and a period of 2 hours tempering at 100°C after hardening, construction elements with a heat resistance of over 140°C can be produced.

Riverstone® 1020 causes polymerisation shrinkage.