

Mineral Bond LV - High Strength Silicate Resin

Application

Mineral Bond LV is a 2-component, fast reacting and high strength silicate resin. It is suitable for grout stabilization (for heavily cracked rock mass), gas sealing and water stopping.

Material characteristic

Components:

	Unit	Mineral Bond LV A	Mineral Bond LV B
Appearance	-	Pale brown liquid	Dark brown liquid
Density at 20°C	g/cm ³	1.45 +- 0.05	1.21 +- 0.05
Viscosity at 25°C	mPas	250 +- 90	200 +- 90

Material properties:

	Unit	Mineral Bond LV
Foam factor	-	1.0
Reaction start time	s	30-90
Reaction end time	s	120-360
Max. reaction temp.	°C	< 110
Compressive strength	MPa	> 40
Flexural strength	MPa	> 20
Bonding strength	MPa	3.9

The components Mineral Bond LV A and Mineral Bond LV B shall be pumped using a two component pump as commonly used in the mining and tunneling industry with a volumetric ratio of 1:1.

It is recommended to use two static mixers of the type: M-10x360 (part no. M-10x360) or equivalent.

Components mixing ratios:

	Mineral Bond LV A	Mineral Bond LV B
by volume v/v	100	100
by weight m/m	100	87



If the components A and B are mixed at a different mixing ratio, the reaction time and mechanical properties may deviate from above specifications.

Both adhesive components are supplied in jerry can containers (other packaging is possible on the request). Recommended storage in dry and airy rooms at temperature range of 10 to 30 °C. The guaranteed shelf life from the date of manufacture is 12 months for Mineral Bond LV A and Mineral Bond LV B in original unopened packs (if stored according to the instructions).

Data presented in this document were obtained under laboratory conditions. Actual results under different conditions may slightly deviate from published data. A proper Material Safety Data Sheet for this product is available upon request.

Before an application, please contact with the supplier to confirm product usefulness at given application conditions.