

TECHNICAL DATA – user manual

Product: CERAMIC REFRACTORY MASTIC VS-K 1200

Description : Glue SIBRAL VS-K 1200 has dense, ungravitate consistence, contains only the inorganic raw materials. Glue does not contain any organic substances or other combustibl additions. Identification according to the ENV 1402-1

Colour : Grey

Manual: It is possible to stick all kind of lightweight insulating materials produced from ceramic fibres. The temperature for glued joint is 1100°C. This glue is possible to use for temperature 1200°C, if the vitrifying of the glued joint is allowed. It is possible to stick other ceramic materials – calcium silicate, fireclays etc. Sticking on other: aluminium or metal sheets and plates – the sheet and plates have to be without oil, without dusty and surface of glued side must be roughened. The glue is not suitable as a joint filler in insulating and as protective varnish of the surfaces. The glue dries by the room temperature, is the best to use it 24 hour after finishing of the sticking . The glue during temperating – at the temperature higher than 1100°C continuously changed into the vitreous consistence. The cohesion of glued joint remains still the same..

Volume weight: ca. 2,0 kg / dm³

Max. using temperature: 1200 °C

Grain size: 0,3 mm

Refractoriness: min. 149 ISO

Chemical composition:	SiO ₂	ca. 41 %
(before annealing)	Al ₂ O ₃	ca. 22 %
	Na ₂ O	ca. 4 %
	Fe ₂ O ₃	ca. 0,3 %

Workflow:

a) Sticking of the ceramic fibre materials: The glue must be very good mixed and dab in thin layer (max. 0,5 mm) on the both sticked sides. The both parts will press, and hold by the low pressure during 2 – 5 second, according to the dimensions of the glued parts. It is necessary to clean immediately after work all bespattered places and working tools – the drying glue is hand to clear away.

b) Sticking of modules: the sticking is possible only on the surface which must be noncrumble, dried and without dust. Dab the layer of the glue on the sticked side of the moduls. The layer of the glue must be 3-4 mm. Than, modul is pressed on the sticked surface and hold it 3 – 5 second (this case is for modul 300x300x50mm). If the dimensions of moduls are bigger, the fixing time has to be longer.

Delivery, storage and handling:

The glue is delivered for instant usage, packed into plastic containers á 6 kg. Approximate consumptions: sticking of blankets 2 – 3 kg/m², sticking of moduls 4,5 – 6 kg/m². The glue is necessary to store in pent-up, the best in original containers. The glue must not be frozen. It is recommended to surface of glue in container pour over by the thin layer of water for the longterm storage, and container again pent-up close. The term for storage is in original containers 12 months. If is encrusted on the top of the glue, is necessary carefully to withdraw it – it is impossible to mixed it. The glue is possible to dilute by the water.

Safety: The glue VS-K has strong alkaline reaction – it contains the water glass. The using of protective gloves and protective goggles is recommended by the work with this glue. Protect your hand before and after working by the protective hand cream. If the eyes are hit, it is necessary to wash out them by the clear water and immediately to visit specialist doctor. The glue is not toxic.

The values given herein are typical results of laboratory test. They are thus representative for guidance only and therefore do not constitute a specificatio of form part of contract for factual purpose.