

FiberPlast 1800

Maximum Service Temperature (°C)	1800
Colour	White
Chemical Composition (%)	
Al ₂ O ₃	80
SiO ₂	20
Fe ₂ O ₃	-
Bulk Density (kg/m ³)	1250
Water Content (%)	10



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Description

This mastic material is a plastic deformable compound made of ceramic or mineral fiber and an inorganic binder. It will be supplied premixed and ready for use. It hardens irreversible and can be used up to 1800°C constant load. It can be diluted further with max. 15% water and is packed into plastic buckets with 1 kg volume.

Application

Basically for all matters of isolation, which are exposed to a mechanical wear as e.g. "Runner troughs, ladle linings, feeder" for gearing of recently drawn glass but also for protection of fiber linings. Moreover suitable as a repair substance to existing "stone or refractory concrete walls" to prevent further destruction caused by rapidly varying temperature.

Fitting

The application of FiberPlast 1800 depends on the special case of isolation; either with one's bear hands (e.g. small troughs of different radius) or with a surfacer/spatula. We recommend to smooth the visible surface after the complete application of the insulating layer with Mastic in order to avoid possibly occurring wash-outs.

Drying

At a regular thickness of the layer resp. up to a thickness of about 30mm dry at 105°C-140°C for about 6-9 hours. An irregular wall thickness resp. more than 50mm dry up for about 4 hours at 80°C, afterwards at 120°C-140°C for about 6-9 hours.

In case of cracks, caused by faster drying, there is no problem to put new mastic into the grooves and dry it again. The strength and other physical properties will not change.

It is also possible to use FiberPlast 1800 on hot surfaces of feeders (glass) on forehearth.