

Generally guiding rules for processing with **MASTICS – Types of ALFAPLAST**

Description:

Mastics are plastic deformable compounds made from ceramic- or mineral-fibre and an inorganic-or organic binder. It is supplied premixed and ready for use. It hardens irreversible and can be used up to 1800°C constant load.

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. 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 ALFAPLAST depends on the special case of isolation; either with one’s bear hands (e.g. small troughs of different radius) or with a surfacer. 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. It is also recommend to use coatings either Coating BS4 or Coating Alfafix 1500A or currently used in factory of customer which increases the operating life.

If the thickness of the layer exceed 50mm we recommend wide meshed material resp. “Stretch-metal” may be indented to prevent any cracking caused by fast drying.

Whenever operating with types of ALFAPLAST you should use rubber-gloves because of a slight alkaline character of the economic binder.

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.

A 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.

After drying, cracks may occur. Fill the cracks again with Alfaplast and get a monolithic lining again.

It is also possible to use ALFAPLAST on hot surfaces of feeders (glas) on forheath. In case of cracks, caused by drying, there is no problem to put new mastic into the grooves and dry it again.

The strength properties will no change.