

## FiberPlast C 1800 D PERMANENT ADHESION AT HIGHEST TEMPERATURES

High-temperature adhesive made of polycrystalline mullite/alumina wool (PCW) up to **1750 °C (3182 °F)** application temperature



FiberPlast C 1800 D is a plastic deformable compound made of polycrystalline mullite/alumina wool (PCW), an inorganic binder and various additives. The adhesive is supplied premixed and ready to use. It can be used up to **1750 °C** application temperature.

FiberPlast C 1800 D contains milled PCW-fibers and binders. Due to the unique properties of PCW at high temperature, the **FiberPlast C 1800 D** can be used as an excellent fiber-to-fiber-adhesive for insulation boards, as well as a surface coating. Used as a coating, it minimizes abrasion and dust formation caused by thermal and corrosive load.



FiberPlast C 1800 D is particularly easy to process and will hold reliably and permanently at high temperatures. The processing starts with cleaning the surfaces. Then they should be slightly sprayed with water. After that both surfaces should be treated with 0.2 to 0.3 mm of **FiberPlast C 1800 D**. After compressing the surfaces to their final positions, the parts should be dried under pressure and room temperature for 24 h. The parts could also be dried in a dryer. If cracks occur during the drying or pre-sintering process, they can be glued or filled with **FiberPlast C 1800 D** again.

### YOUR BENEFITS WITH FIBERPLAST C 1800 D AT A GLANCE

- ✓ Bonded or coated ceramic fibre-based parts
- ✓ For permanently safe connections
- ✓ Application temperatures up to **1750 °C**
- ✓ Single-component adhesive ready for use and easy to process
- ✓ Also for repairs and maintenance work

## MATERIAL PROPERTIES OF FIBERPLAST C 1800 D

		FiberPlast C 1800 D
Colour		White
Max. service temperature		1750 °C 3182 °F
Bulk density	Wet Dry	1400 kg/m <sup>3</sup> 1050 kg/m <sup>3</sup>
Solid content		28 %
Type of packaging		1 kg Other type of packaging upon request.
We will gladly develop special high-temperature masses, such as adhesives or coatings, together with you to suit your requirements.		