

# FiberPlast C 1800 D

High Temperature Adhesive up to **1750 °C (3182 °F)**



## Description

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 hardens irreversible and can be used up to 1750 °C.

## Material Properties

		FiberPlast C 1800 D
Colour		White
Max. Service Temperature	[°C]	1750
	[°F]	3182
Bulk Density	[kg/m <sup>3</sup> ]	
	Wet	1400
	Dry	1050
Solid Content	[%]	28
Type of Packaging		1 kg
		Other type of packaging upon request.

## Application

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.

## Handling

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.



Photography: Lothar Wels – [www.wels-images.com](http://www.wels-images.com)