

FiberPlast 1800PRO PERMANENT ADHESION AT HIGHEST TEMPERATURES

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



FiberPlast 1800PRO is an improved 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 1800PRO contains milled PCW-fibers and binders. Due to a higher bending strength, lower shrinkage and higher solid content compared to former FiberPlast material **FiberPlast 1800PRO** can be used as an excellent fiber-to-fiber-adhesive for insulation boards, as well as a surface coating and repairment of cracks and holes. Used as a coating, it minimizes abrasion and dust formation caused by thermal and corrosive load.



FiberPlast 1800PRO is particularly easy to process and will hold reliably and permanently at high temperatures. The processing starts with cleaning the surfaces from dust. Then they should be slightly sprayed with water. After that both surfaces are to be treated with a thin layer of **FiberPlast 1800PRO**. 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 1800PRO** again. If the material is too stiff for your application, you can add a little amount of water and mix it.

YOUR BENEFITS WITH FIBERPLAST 1800PRO AT A GLANCE

- ✓ Bonded or coated ceramic fiber-based parts
- ✓ For permanently safe adhesion
- ✓ 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 1800PRO

	FiberPlast 1800PRO
Colour	White
Max. service temperature	1750 °C 3182 °F
Al ₂ O ₃	84 %
SiO ₂	16 %
Bulk density Wet	1650 kg/m ³
Solid content	57 %
Type of packaging	1 kg Other type of packaging upon request.
<p>We will gladly develop special high-temperature masses, such as adhesives or coatings, together with you to suit your requirements.</p>	