HOTMAN OY

STRUCTURES MADE OF REFRACTORY CERAMIC FIBERS

Structures made of refractory ceramic fibers (RCF) can be divided into following typical categories:
- layer structures, which are fixed parallel to base structure
- module structures, which are anchored to base structure
- layer structures perpendicular to base, which are glued or attached to base structure way or another

During company's existence Hotman Oy has applied all above methods, mainly last one since company has developed and patented "suikku"-structure, which has significant advantages over other methods. Most important of these advantages are:
- construction is very adaptive: many otherwise complex structures can be executed and structure can be fixed to various different bases, even on old structure
- structure is easy to maintain and repair
- construction can be optimized according each application and it can be made layered of different materials, which are glued to each others and secured with anchors
- structure is homogenous and it allows thermal expansions

Hotman Oy has made a comparative study of RCF structures together with VTT (Technical Research Center of Finland) and companies operating on same field of business. "Suikku" structure was found to be lasting longest (Kuitueristeet korkealämpötiloissa – VTT)