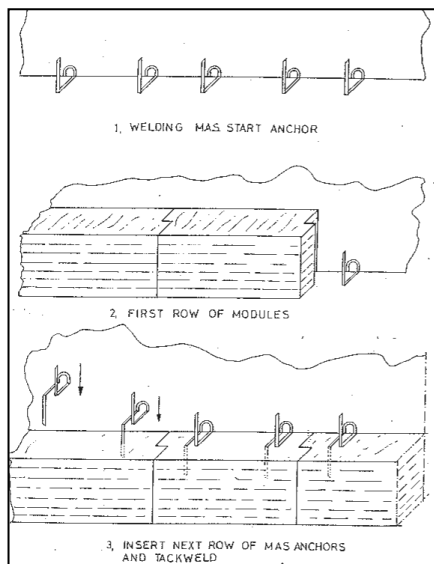


The Mechanically Anchored System (MAS)



Installation of MAS Modules

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More than 35 years applied as most successful Low Thermal Lining System!

The Mechanically Anchored System (MAS Lining System), an insulating lining for high temperatures that can be used in many types of heat-processing equipment.

The Mechanically Anchored System (MAS) was developed beginning 1983 by INSULCON, as INSULCON had its own ideas about stackbond linings and stack bond module systems (body soluble or ceramic fiber). To develop a more technical and economical attractive system, INSULCON specified following requirements which the MAS system should satisfy.

- It must be a system with a high resistance against fluegas velocities.
- The module types and sizes must be flexible. Density range standard between 100 and 160 kgs/m³, specials > 160 kgs/m³. Temperature range between 900 and 1600°C.
- The way of installing must be quick and easy, without the necessity of special experienced labour. A simple and cheap anchoring system.
- No special (vulnerable) welding equipment must be required.
- The module system must be applied as well on big flat surfaces as in circular spaces.
- Module shrinkage (2-3%) is acceptable.

The Mechanically Anchored System (MAS)



Manufacturing of MAS Modules

MAS modules are manufactured from Insulfrax blanket, Fiberfrax S blanket, Fiberfrax Z blanket and Isofrax blanket to provide a standard construction form, edge stacked. After determining the blanket type, module density, dimensions and quantity required, the several types of MAS strips are die-cutted. The package of strips is compressed and a poly ethylene cover is pulled over the block. The polyethylene bag burns away at 120°C without any risk of corrosion.

Anchor types

For fixing the MAS module strips, two types of anchors are available. The FF type for walls and the HF type for roofs. The start anchors (FF-2 and HF-2) have only one leg of 160 mm. The continuing anchors FF-1 and HF-1 have two legs of 160 mm.

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