

Application Datasheet

Refrex® Zonedividers



Concept

Prefab, light weight, high temperature resistant (up to 1350°C) and flexible zone dividers (mattresses) made out of Refrex® cloth with inside insulation blankets, supported with silicium carbide suspension profiles and ceramic fixing devices.

Application

Refrex® zone dividers can be applied in several ways, like:

- A hanging, "flexible wall" from the roof of a furnace to split up the furnace in several areas. For example in a walking beam furnace.
- Hanging "flexible baffles" from the roof of a tunnel kiln creating a better thermal performance.

Refrex® Zone dividers are designed to resist high temperatures at all sides. Due to the low thermal conductivity of the inside insulation and the high reflection value of the Refrex® material ($\epsilon = 0,88$), Refrex® Zone Dividers do not accumulate heat and saves energy.

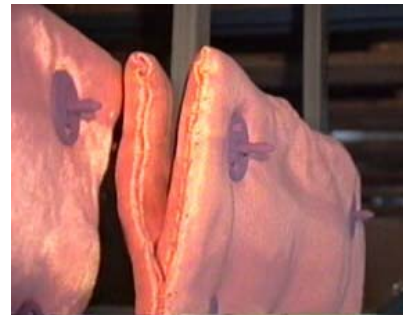
Due to the light weight construction of the Refrex® Zone Dividers they can easily be suspend from the roof with small silicium carbide profiles (different shapes & dimensions) and fixed onto the profiles with different kind of fixing pins / washers made out of high alumina ceramic.



Advantages

Refrex® Zone Dividers:

- Are light weight;
- Are flexible;
- Creates several temperature section without thermal shock of the material;
- Are easy to install;
- Can be easily removed and re-installed, without damaging the Zone Dividers;
- Can be supplied, if necessary, within 24 hours.



References

A reference list is available on request.

Form: AS/2/001
Effective: 21052007/AE
Supersedes: 24042003/AE/es
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