



For shuttle, bell and chamber kilns in the fine ceramic and sanitary industry.

The REL® (Refrex®-Expanchor®-Lining) system is a combination of a flexible, tight woven, high temperature and erosion resistant fabric (Refrex®) and a easy to apply anchoring system. (Expanchor®).

A lot of shuttle, bell and chamber kilns in the fine ceramic and sanitary industry are insulated with a high temperature, low thermal mass linings (stackbond/modules).

However, after a certain time, you can be faced with the following problems:

- Shrinkage joints
- Hot spots
- Contamination from the low thermal mass lining
- Reduced insulation values
- Higher gas/fuel consumption
- Erosion of the low thermal mass lining
- Contamination of your products

For existing low thermal mass linings we have developed our Refrex® Expanchor® Lining system in 1996. It is an easy upgrade/improvement of your existing low thermal mass lining, without a complete renewal.

With our patented Expanchor® our Refrex® 1220 / 1420 fabric can be easily attached to the existing low thermal mass lining, depending the condition of the existing low thermal mass lining.

Advantages:

- Reflection of 60% of the radiation heat.
- Reduction of maintenance costs.
- No further shrinkage or eroding of existing fiber lining.
- Can be installed over existing fiber lining.
- No further contamination.



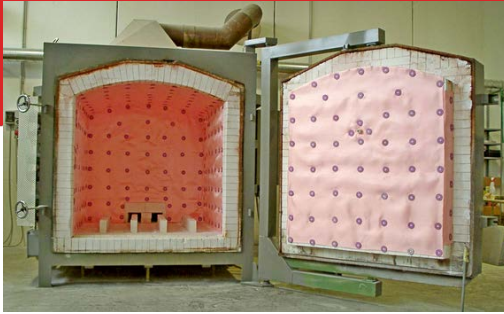
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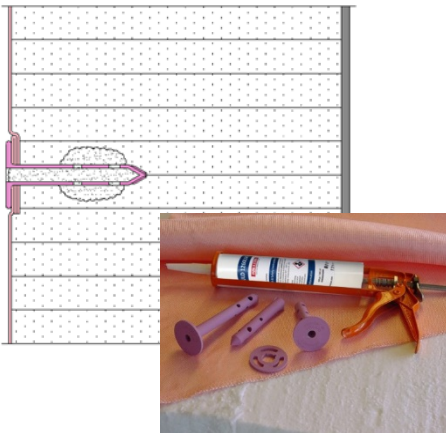
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Typical design Refrex® Expanchor® Lining system:



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In case the complete lining needs to be renewed, our Refrex® New Lining can be a better option.



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Instead of a stackbond low thermal mass lining, a layered low thermal mass lining can be used in combination with our Refrex® 1220/1420 fabric.

Advantages:

- Reflection of 60% of the radiation heat
- Reduction of maintenance costs
- No further eroding of existing fiber lining
- No further contamination

Typical design Refrex® New Lining system:

