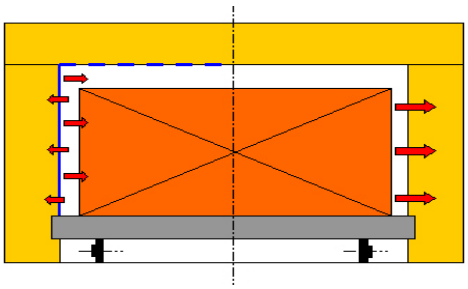
Insulcoat 1260-RFL

LEADER IN HIGH TEMPERATURE SOLUTIONS



With Insulcoat 1260-RFL coating

Reduction in heat loss due to reflective 1260-RFL coating.
A more uniform temperature profile in the outer faces of brick packs

Without Insulcoat 1260-RFL coating

The outer face of the brick packs loses more heat and requires additional heating in order to ensure the temperature in the brick pack is kept uniform.

Energy-saving in thermal process plant, including tunnel and bogie hearth kilns in the ceramics industry, is a topic which has received a great deal of attention during the last years.

Accordingly, current up-to-date tunnel and bogie hearth or bell kilns are being equipped with energy-saving, fire-resistant insulation, heat recovery and optimum burner control.

Recent developments, however have established that additional energy savings and/or improved product quality can be achieved in up-to-date (new) as well as existing (older) kilns.

Following an extensive development and test period, Insulcon developed a reflective and energy-saving coating; **Insulcoat 1260-RFL**

Insulcoat 1260-RFL can be applied rapidly and durably on kiln walls and roofs by spraying, with a remarkably favorable result.
Reflection from the walls creates more radiation, bringing about a more uniform temperature, which improves homogeneity and hence the quality of the outer faces of brick packs. This will also result in fewer seconds.

The effect is even more marked if the (tunnel) kiln roof is coated with **Insulcoat 1260-RFL** as well. In this case however, care must be taken to ensure that the expansion joints are free from coating and that burners and inspection apertures are adequately masked off while the coating is being applied.

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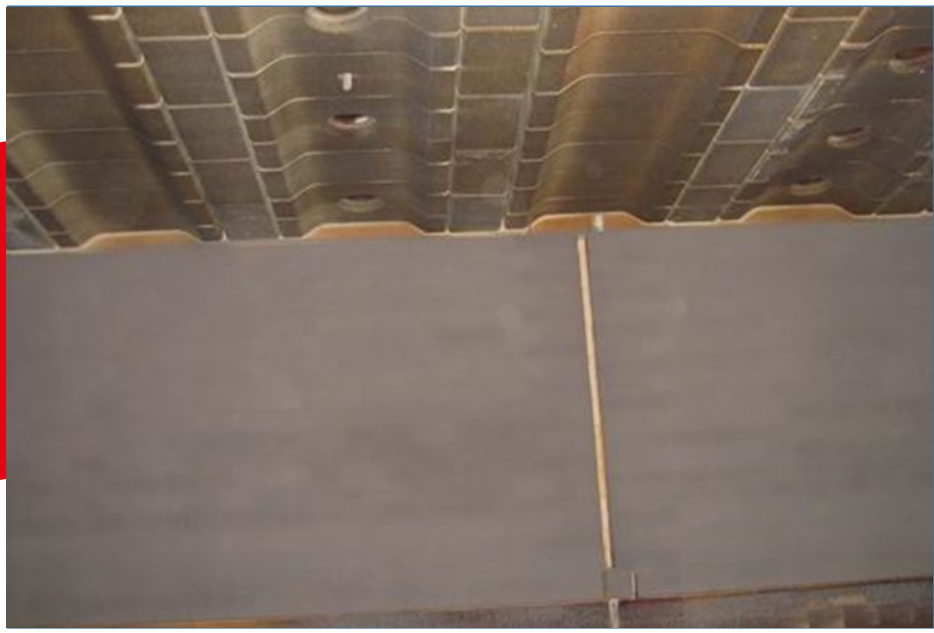

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The greatest impact of applying **Insulcoat 1260-RFL** is obtained on those kiln surfaces which attain temperatures in excess of 800°C, referred to as radiant surfaces. Since the coating is very quick to apply, an average firing zone in a tunnel kiln can be coated with **Insulcoat 1260-RFL** in a single day. This is certainly the case if the preparatory work such as eliminating dust, removing loose particles, masking off expansion joints and burners has already been carried out and the kiln has cooled down below 30°C.

The coating can be applied to any type of (refractory) surface such as refractory masonry, refractory concrete, suspended slabs, refractory fibre, etc.

Insulcoat 1260-RFL gives a further benefit for the last-named category (fibre) in particular. It protects the relatively soft fibre surface against erosion as well as minimising the release of fibres. It is therefore highly suitable for kiln doors and/or tracks with high temperature resistant fibre cladding.

Advantages of Insulcoat 1260-RFL:

- High reflectivity (improved quality as a result)
- Can be applied to the full range of (refractory) material types such as refractory bricks, suspended slabs, fibre, etc.
- Quick and easy to apply (1 day)

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