

CEMENT ENERGY SAVING DESIGN REFERENCE LIST

Höganäs Borgestad developed a unique energy saving solution for rotary kiln refractory problems due to widespread use of alternative fuels. The use of high-sulphur fuels, combined with poor combustion engineering, can lead to a higher sulphate compound volatilization, ring formations and build-ups. Due to the increase in prices for fossil fuels, an energy saving design has been developed using a double lining in all the zones of the kiln. Combined with the right installation techniques for double layer linings, the optimal lining design allows the brick lining to serve for many years.

The benefits for cement producers are: Longer life time on the refractory lining and accessories, reduction of fuel consumption / energy saving, limitation of corrosion and mechanical problems, decrease of shell temperature and cheaper qualities of refractory materials.

Our focus: On time, On budget, On scope

CZESKOMORAVSKY CEMENT, CZECH REPUBLIC

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| Plant Name | Radotin plant |
| Diameter (m) | 3.93 |
| Length of zone | Kiln 1: 8.2rm & kiln 2: 8rm |
| Name of zone | Safety zone |
| Qualities | Hot face brick: Alex & insulation layer: M-Extra |

DYCKERHOFF KORKINO CEMENT, RUSSIA

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| Plant Name | Pevromaisky plant |
| Diameter (m) | 5 |
| Length of zone | 8rm & 15rm |
| Name of zone | Safety zone & Preheating zone |
| Qualities | Safety zone: Hot face brick: Victor 60 RK & insulation layer: Hognas Insul M-E Preheating zone: Hot face brick: Viking 330 & insulation layer: Hognas Insul M-E |

TPI POLENE PUBLIC COMPANY LTD, THAILAND

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| Plant Name | TPI Polene |
| Diameter (m) | 5.6 |
| Length of zone | Kiln 2: 9rm |
| Name of zone | Inlet zone |
| Qualities | Hot face brick: Viking 330 & insulation layer: Hognas Insul M-E |