

Industrial Buildings

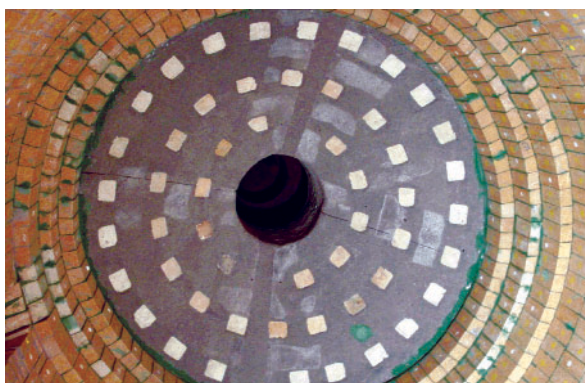
Refractory liners – Don't get burned

Our service ...

We are a group of highly specialized experts in the field of refractory liners. As long-standing partners of operators of thermal facilities and with many years of experience, you can count on us to provide you with capable and reliable service to ensure fault-free operation of your plant over the long term.

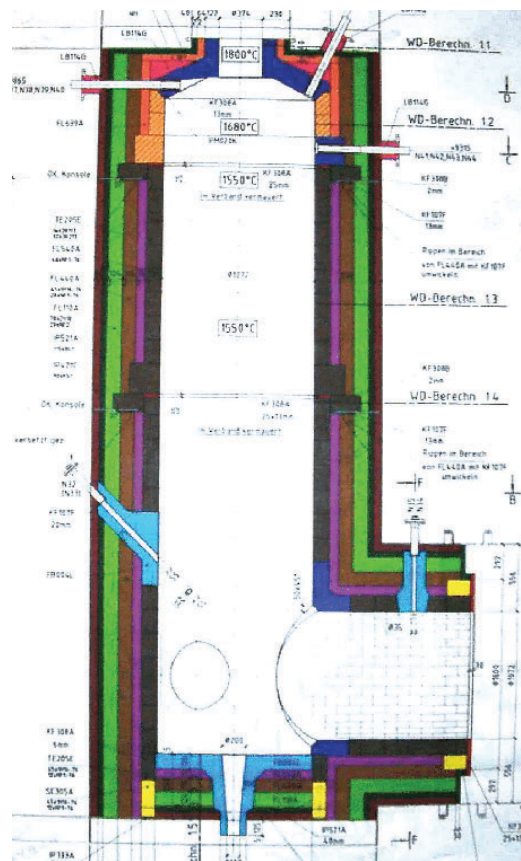
We offer consultancy, planning and site management services for refractory linings in industrial thermal plants for:

- chemical engineering;
- power engineering;
- environmental engineering;
- refineries and petrochemical plant applications.



Refractory lining for the top of a combustion chamber

Extensive know-how and detailed knowledge in the specialized field of refractory engineering are what we apply to serve our customers, e.g. to provide protection of support structures for furnaces and combustion chambers against heat and aggressive chemicals. We also offer condition analyses, planning, site management services and outage management support.



Excerpt from drawing of a combustion chamber equipped with refractory lining (inner temperatures from 1550 to 1800 °C)

... is your gain.

Experienced specialists from Bayer Technology Services place their know-how at your disposal. Your trust in our expertise, experience and reliability pays off in a branch of industry as specialized as industrial refractory construction. As a neutral and independent consultancy, planning and construction partner, we provide tailor-made solutions, well conceived erection concepts, capable quality assurance and prudent site management so that you can be successful.



Our approach

After clarifying the task at hand and in-depth consultation, we develop economic concepts that serve to solve your particular problem. The following aspects are taken into account and implemented in feasible, future-oriented solutions in the course of our planning for new facilities and refurbishment of existing ones:

- technical, physical/chemical and thermal parameters;
- material and processing aspects;
- operating requirements.

Our capable site managers turn your ideas into finished solutions on time and within budget. We continue to support you during operation of your facility with consultancy and technical expertise.



Preparations for lining work on a sewage sludge incineration plant



Refractory lining for the rotary kiln at a hazardous waste incineration plant



Refractory lining for a rotary kiln

References

We have successfully implemented linings in the sector of refractory engineering for:

- fluid bed boiler units and melting chamber boilers;
- special waste and sewage sludge incineration facilities;
- fluid waste combustion, acid cracking units, double contact systems;
- roof flare stacks and equipment for thermal purification of waste gases;
- rotary kilns, round hearth furnaces and annealing drums;
- cracking furnaces and flue gas ducting.

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