



Refractory Materials Division in Gliwice has extensive experience in research, development and expertise in the generation and application of high temperature ceramics, processing of ceramic materials and their application in environmental protection. The main directions of work include:

- ▶ microporous ceramic materials for applications in high temperature metallurgical processes and thermal insulation,
- ▶ new ceramic materials for thermal treatment processes and coal gasification,
- ▶ unfired refractories for monolithic linings and regeneration of lining, including composite monolithic ceramics and ceramic-carbon,
- ▶ ceramic coatings and multilayer materials for high temperature applications,
- ▶ ceramic materials with controlled microstructure for applications in catalysis, metal refining and environmental protection,
- ▶ construction materials not containing Cr₂O₃ resistant to liquid metals and metallurgical slag and furnaces for incineration and melting the waste,
- ▶ dolomite materials of high purity, resistant to hydration,

- ▶ oxide and non-oxide composites and non-oxide materials,
- ▶ recovery and processing of refractory scrap materials, including deep enrichment of refractory basic ceramics and use of ceramic processes for recycling industrial and municipal waste.

Refractory Materials Testing Laboratory performs tests covered by the accreditation certificate No. AB 097 Polish Centre for Accreditation, EA MLA signatory, confirming the fulfillment of the requirements of PN-EN ISO / IEC 17025:2005.



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