



REFRACTORY PRODUCTS FOR THE INDUSTRY

TRUD JSC produces chamotte refractory products for the industry. These are used in the steel industry, energy industry, kilns and furnaces construction, cement production and glass industry. The factory produces high acid proof items and products from refractory concrete. The company has extensive experience in the development and design of refractory products for thermal units and aggregates.

The engineers and constructors of the company develop specific products according to the client's drawings offering different technological solutions, forms and technical parameters to fully meet customers' requirements. All the products are then tested in the company's own chemical-physical laboratory and can be produced by TRUD JSC.

The company develops, designs and manufactures tooling equipment for molding and stamping of different types of products for the refractory, ceramic and many other industries.

REFRACTORY PRODUCTS FOR THE INDUSTRY

CHARACTERISTICS

GENERAL APPLICATION

Class	Material	Content of Al ₂ O ₃ +TiO ₂ %	Refractoriness °C	Refractoriness under load T06 °C	Cold crushing strenght MPa	Apparent porosity %
HA-45	Chamotte	45	1750	1400	> 30	20
FC-40		40	1730	1350	> 25	22
FC-36		36	1730	1350	> 20	22
FC-32		32	1730	1320	> 20	23
FC-30		30	1710	1300	> 20	26
LF-28		28	1670	1270	> 25	26

FOUNDRY INDUSTRY

Class	Material	Content of Al ₂ O ₃ +TiO ₂ %	Refractoriness °C	Apparent porosity %	Carbon content %
F	Chamotte	33	1690	22	
AC	Graphite Chamotte			27	> 10
F-N1	Chamotte	30	1690	17 - 28	
F-N2	Chamotte	28	1670	17 - 28	

CHEMICAL INDUSTRY

Class	Material	Cold crushing Strenght MPa	Apparent porosity %	Acid resistance %
F-AR	Chamotte	20	19	95

CHARACTERISTICS

THERMAL INSULATING REFRACTORY PRODUCTS

Class	Content of Al ₂ O ₃ +TiO ₂ %	Maximum application temperature °C	Density g/cm ³	Cold crushing strenght MPa	Thermal conductivity at 600 °C W/(m.K)
FT 1.0	28	1200	1.0	3	0.50
FT 1.3	28	1200	1.3	4	0.70

FIRECLAY MORTARS

Class	Content of Al ₂ O ₃ +TiO ₂ %	Refractoriness °C	Humidity content %	Residue on sieve 0,5 mm %
FM 36	36	1730	5	< 5
FM 30	30	1710	5	< 5

FIRECLAY FRACTIONS

Class	Content of Al ₂ O ₃ +TiO ₂ %	Refractoriness °C	Humidity content %
FF 36	36	1730	3
FF 30	30	1710	3