

MASONRY, FLOOR AND WALL COVERS

Description of the protective systems:

Protective system, consisting of lining elements (bricks, plates) and joining material - kits on base of thermo reactive resins and non-organic fillers.

Designation:

Internal protection of metal and concrete facilities - chimneys, towers, oval forms, boiler - baths, appliances, reservoirs etc.

Structure of the linings and the putties:

Components and elements:

Joining materials (for coarse grouting and joints) - kits on base of thermo reactive resins:

- resolic phenolformaldehyde resin
- polyester resin bisphenol type
- vinyl-ester resin - three types:
 - type 1 - bisphenol vinyl-ester resin
 - type 2 - new varnish vinyl-ester resin
 - type 3 - special new varnish vinyl-ester resin
- silicate kit on base of potassium water glass
- inert fillings - quartz flour, sands, black graphite, basalt flour

Lining elements:

- Clinker shamot bricks with sizes:
 - 250 x 123 x 65 mm
 - 250 x 113 x 65 mm
- Ceramic plates - 200 x 100 x 30 mm
- Cast basalt plates - 200 x 200 x 22 mm

Connecting materials:

Kits on base of thermo reactive resins for three component structures, including resin, filler and hardener made during the application.

Silicate kit (non-organic) - two component from potassium water glass with specified module and filler with dispersed in it hardener.

Thickness of the layer (coarse grouting) of the kit - 3-10 mm

Characteristics of the joining materials for the linings and the putties:

INDICATOR	Thermo reactive resins /polyester and vinyl-ester ones/	non-organic silicate materials
Density g/cm ³	1,8 - 2,4	2,0
Compressive strength MPa	80 - 120	35,0
Bending strength MPa	30 - 40	10