

MATERIALS FOR PROTECTIVE COVERINGS OF METAL CONSTRUCTIONS, EQUIPMENTS (PIPELINES, PUMPS, RESERVOIRS ETC.)

Composition of the coverings:

Ground - 1-2 layers

Thickness from 20 to 80 microns

Intermediate layer - 1-2 layers

Thickness from 70 to 150 microns

Finishing layer - 1-2 layers

Thickness from 60 to 120 microns

Total thickness of the cover from 150 to 300 microns

Types of materials for the cover:

Ground coats:

Pure:

Epoxide ground coat, vinyl, epoxide and tar, vinyl-ester ground coat modified with rubber

Zinc containing ground coats:

Zinc epoxide, zinc phosphate epoxide, zinc silicate, zinc vinyl ground coat

Aluminium containing ground coats:

Aluminium silicone ground coat, aluminium vinyl, aluminium silicate ground coat

Intermediate layers:

Polyesteric, vinyl-esteric, vinyl, epoxide tar, polyurethane vinyl-esteric, epoxide with ferrous oxide pigments and mica fillers.

Finishing layers:

Polyurethane vinyl-ester, vinyl, vinyl-esteric, polyesteric

Different types of protective systems, representing a combination of different materials in compliance with the following factors:

- Type of the metal base
- Stage of cleaning of the metal surface
- Nature of the aggressive influence
- Type of the aggressive environment
- Concentration
- Temperatures
- Location of the site (open or covered)