EMAILCHIM JSC

2234 Peturch, Sofia district, Bulgaria
Telephone (+359 7116) 2048, 2015
E-mail: office@emailchim.com

VARNISHES

1. Epoxide varnish

Two component structure on base of different types of epoxide resins with additives, fillers, pigments and hardeners (polyamines, amides, aducts).
It is used as an intermediate cover for exploitation outside and finish surface for exploitation inside of different metal and concrete facilities and constructions, walls etc.

2. Vinyl varnish

Single component air drying structure on base of vinyl resin, fillers, pigments, additives and supplements. It is used as a cover on ferrous and non-ferrous metals, concrete, some plastics, wood, galvanized sheet iron with high atmosphere resistance, light resistance, humidity, water, sea water, heavy industrial environments (oxides, gases fumes of acids and bases, petroleum products, solvents in temperature interval from -30 to +70°C). It has perfect compatibility with alcydic, silicon, polyester, vinyl-ester, acrylic, polyurethane varnishes.

3. Epoxide tar varnish

Two component structure on base of epoxide resins, coal tar fillers, additives, supplements and hardeners (amines, amides, adducts). The varnish finds application in its capacity of protective cover on metal, concrete and other inert surfaces and constructions in hydro and energy construction, chemical industry, petroleum industry, shipbuilding, ecology (purifying stations). The cover is water resistant (sea water, salt water, waste water) rarefied acids and bases, petroleum products etc.

4. Polyurethane vinyl-ester varnish

Two component varnish on base of chemical modified urethane epoxy-vinyl-ester resin in combination with additives supplements, pigments and hardeners-organic peroxide. It combines the advantages of the two types of resins:
- vinyl-ester - chemical and temperature resistant
- polyurethane - atmosphere resistant, with high strength and deformation indicators (tensile and bending strength, stretching, elasticity, ratio of linear and thermal expansion), gloss brilliance.

5. Polyester varnish

Two component structure on base of bisphenol polyester resins in combination with different supplements, ingredients and hardeners - organic peroxides. It is used for cover on metal, concrete, walls and floor covers. It is a good protective substance for protection of rarefied and concentrated acids, bases, salts, acid and alcalic gases, petroleum products, water (desalted water, waste water). The varnish is compatible with different ground coats and varnishes on base epoxide resins, vinyl resins, polyurethane, epoxide tar varnishes.

6. Silicone varnish

Single component air drying material on base of silicone resins in combination with different supplements and ingredients. It is produced in different colours, including type “metallic”. The cover is characterized by very good protective properties - atmosphere resistance, thermal and cold resistance (-50 to +400°C).

7. Varnish of elastic polyester resin

Two component varnish on base of elastic (isophtalic) polyester resin in combination with other components and hardeners - organic peroxide. It is used as a protective cover on metal and concrete with good elastic properties (tensile and bending strength, stretching), for exploitation in water, slightly aggressive media - acids, bases, salts, petroleum products.

8. Vinyl-ester varnish of type A

Two component structure on base bisphenol resins in combination with pigments, fillers, additives and hardeners - organic peroxides. Good material for producing both detached protective covers and for use in combination with other protective materials - ground coats, varnishes. It is characterized by a high chemical resistance to rarefied and to some concentrated non-organic and organic acids, rarefied and concentrated bases, petroleum products, water, salts, gases, oxides. It has high chemical resistance indoors and outdoors within a temperature range from -30 up to +100°C.
The protective cover of vinyl-ester varnish has high physical and mechanical indicators (compressive, impact, bending and tensile strength).

2234 Peturch, Sofia district, Bulgaria
Telephone (+359 7116) 2048, 2015
E-mail: office@emailchim.com

9. Vinyl-ester varnish of type B

Two component varnish on base new varnish vinyl-ester resin with fillers pigments, additives and hardeners - organic peroxides. The protective cover and other protective systems on its base differ with very high chemical resistance - resistance in rarefied and concentrated acids, oxides including hypochlorides and other chlorine agents, organic solvents in a wide temperature range with high temperatures. Application - appropriate protective material for covering metal equipments of sulphur purification facilities, gas outlets, coolers, absorbers etc.

10. Phenol kit for paneling and masonries

Two component material on base modified resolic phenolphormaldechide resin and pulverized black graphite with disperged in it catalyst. It is used for producing an acid resistant fastening composition (kit) in its capacity of coarse grouting and jointing material for making of paneling and masonries (horizontal and vertical). It is specified by chemical resistance in rarefied and concentrated acids - salt acid, sulphuric acid, phosphor acid, formaldehyde etc.

11. Modified phenol varnish

Two component structure on base resolic phenol-formaldehyde resin and catalysts. It is used for protection of metal surfaces from acid corrosion.

12. Special varnishes of glassflake type

Two component materials containing glass flakes with thickness 3-5 microns and size of the particles 10 - 4000 microns on base of polyester and vinyl-ester resins and hardeners - organic peroxides. The covers from these materials are characterized by extremely high chemical resistance, adhesion, water and gas impenetrability, high physical and mechanical indicators (low level of abrasion, hardness, shock resistance).

13. Epoxide vinyl varnish

Two component structure combining the advantages of the epoxide and vinyl resns:
- epoxide resins - adhesion, chemical resistance
- vinyl resins - plasticity, elasticity, resistance to atmospheric influences.