

Rikol-concrete

Rikol-concrete - one-component polyurethane coating to protect concrete.

Areas of use

- Protection of concrete structures from environmental exposure:
 - Climatic impacts
 - Biological-active environment
 - Mechanical protection
 - Chemical exposure (liquids and gases)
 - Sea water
- Vapor barrier, waterproofing and protection against aggressive soil and groundwater
- Increasing the freeze-thaw resistance of concrete and reducing its water absorption

Main characteristics

- High adhesion to concrete (more than 2.5 MPa)
- Penetrates the pores of the concrete and fills them
- **Elasticity (up to 6% elongation)**
- High hardness (95-97 Shore)
- **Crack resistance (up to 0.1 mm)**
- Abrasion resistance
- Withstands cyclic temperature and mechanical stress.
- Sustained performance and **long coating life (6-7 years)**
- Can be used as a binder for sealing seams and large cracks and caverns to level the surface before coating.
- Excellent adhesion to itself, maintainability
- **Simple surface preparation, no mixing mistakes**
- Various application technologies (manual and mechanized)
- **It can be applied in the rough weather conditions, including humidity up to 95%**
- Non-toxic, ecologically clean, drinking water contact allowed.

Objects of application

- Protection of concrete infrastructure facilities from external influences and aggressive media: Bridges, overpasses, tunnels, piers, docks, parking lots, lighting poles and power lines
- Vapor barrier and waterproofing for foundations, bases, walls, floors of buildings and structures (new construction and reconstruction)
- Internal coating of tanks: pools, treatment facilities, tanks for oil and oil products, chemicals
- Dust removal of floors, protection against abrasion and aggressive influences
- Protection of floors and walls in stock farming and food production (manure, droppings, aggressive drains, resistance to disinfectants)

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