

### Polyurethane coatings

Roof coatings sprayed polyurethane foam offers some advantages in the roofs with a smaller slope (flat roofs). Firstly it should be noted greater resistance to high temperatures and insulating ability, which increases in proportion to the thickness. The material is particularly low weight which makes it very suitable for reconstruction operations of the roofs of existing buildings, an additional burden because the substructure. The method of installation is seamless, ensuring consistency and continuity of coverage. So with little maintenance can ensure long life without the occurrence of leaks and other undesirable phenomena.

Durability of polyurethane roof system largely depends on the finishing coat. It is a compulsory element of the system, because sprayed polyurethane is resistant to ultraviolet radiation, leading to modification of many of its qualities over time. Besides UV protection finishing coating provides better load resistance of movement of people and snow. Typical elastomeric materials are used for coating urethane, acrylics and silicones. The main requirements for coverage are to have all the qualities that are under-represented in the polyurethane material – tensile strength, tear resistance, abrasion resistance, and last but not least, excellent resistance to aging under the action of ultraviolet radiation.

Especially appreciated by investors is time to lay the roof system made of polyurethane – this means less labor costs and compliance with specified deadlines. Sprayed polyurethane foam can be applied on various surfaces and often do not even have to remove the existing coating. In spray foam directly onto the concrete slab and screeds, it penetrates into cracks in material are hermetically sealed.