POLYFUNCTIONAL POLYURETHANE MATERIALS FOR BONDING AND COATING OF DIFFERENT TYPES OF SURFACES

Areas of Application

The polyfunctional polyurethane materials (PPM) based on single synthetic model with the use of renewable raw materials are used to ensure durable bonding of different materials and to protect different types of surfaces (metal, concrete, brick, wood) from destruction under the action of (a)biotic and anthropogenic factors

Specification

Advantages

The polyfunctional polyurethane mate	erials
are water-, oil-, benzo-, and lightproof	,
bio-, wear-, and chemical-resistant.	
Adhesive bond strength, MPa	22-35
Cohesive strength, MPa	41.5-46.0

There are no domestic counterparts. The advantages of the offered materials, as compared with the foreign analogs,

guaranteed continuous service

Stage of Development.

IRL6, TRL5

are as follows: long-term comprehensive protection of materials, structures,

of facilities for 10-15 years after repair

and infrastructure facilities from destruction;

Suggestions for Commercialization

Manufacture of a wide range of polymer materials for various purposes according

to customer requirements; seeking investors



Steel to steel adhesive bonding



Uncoated sample



Coated sample in 1 year

IPR Protection IPR1, IPR3

Contact Information

for industrial production

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