

BRIT® PENETRATIVE IMPREGNATION COMPOUND

A specialized single-component material of industrial purpose for water-repellent treatment of asphalt-concrete and cement-concrete surfaces of aerodromes and motor roads, pavement surfaces, buildings and civil structures



Application Scope

Waterproofing of surfaces of motor roads and aerodromes, buildings and structures, pedestrian area pavement surfaces made of lining road construction materials (cement-concrete tile, natural stone, paving setts, etc.).

The compound is resistant to both erosion caused by atmospheric precipitations and chemicals, retains tint and texture of the coating, does not reduce the adhesion factor, and allows starting the operation immediately upon application.

Advantages

- High-quality penetrative water-repellent treatment of the coating; the applied layer is resistant to adverse environment.
- Reliable filling of pores and cracks up to 0.5 mm in width.
- An efficient method for rust protection of concrete structures.
- High adhesion to construction materials.
- A simple unified technology of application.

Composition

Transparent solution of organo-silicon compounds and rheology modifiers in an organic solvent (STO 77310225.005-2015).

Packaging

Plastic canister, 30 l (25 kg).

Characteristics

Parameter	Penetrative impregnation compound	Standard
Impregnation efficiency factor, at least:		
in terms of cement-concrete specimen water absorption rate reduction	3	GOST 12730.3 s p. 8.8 STO 77310225.005-2015
in terms of asphalt-concrete specimen water absorption rate reduction	5	GOST 12801 s p. 8.8 STO 77310225.005-2015
Mass fraction of non-volatile substances, %, <i>at least</i>	12	GOST 17537
Density at t = +20±0.5 °C, g/cm ³	0,9±0,05	GOST 28513
Apparent viscosity (VZ-246 viscometer) at t = -20±0.5 °C, <i>up to</i>	8	GOST 8420
Complete drying-out time at t +20±0.5°C, h, <i>up to</i>	0,5	GOST 19007



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Application Technology

- Remove all impurities from the surface.
- Treat the surface with BRIT® penetrative impregnation compound either using a pneumatic sprayer or manually using a paddle roller or brush.
- The drying time depends on weather conditions and ranges from 15 to 45 minutes. For porous and absorbing surfaces, it is recommended to re-treat them by applying an extra layer 1 hour after applying the first one.
- Operating aerodrome and road coatings is allowed at least 1 hour after completion of treatment with BRIT® impregnation compound.