

BRIT® ZVS-R AND ZVS-V PROTECTIVE AND REFRESHING COMPOUNDS

A specialized cold-applied protective and refreshing compound (PRC) with a film-forming effect for surface defects elimination, operational properties restoration, and assurance of long-term protection of asphalt-concrete and cement-concrete surfaces



Application Scope

An efficient method for preventing progressive destruction of asphalt-concrete via eliminating surface defects, restoring operational properties, and assuring long-term protection of asphalt-concrete surfaces of motor roads and aerodromes exposed to adverse weather conditions, anti-icing agents, and intensive traffic flow.

Advantages

- Efficient restoration of surface texture and reliable protection of the asphalt-concrete coating.
- Long-term water-repellent treatment of the coating.
- Formation of an abrasion-resistant protective layer that has excellent adhesion to the asphalt-concrete.
- A simple unified technology of application.

Composition

Dispersion of the mineral aggregate and non-organic compounds in the water solution of a bitumen-polymer binder (ZVS-V) or in an organic solvent (ZVS-R). (STO 77310225.006-2015).

Packaging

ZVS-R — Metal bucket, 20 l (28 kg);
ZVS-V — Metal bucket, 30 l (40 kg).

Characteristics

Parameter	ZVS-R	ZVS-V	Standard
Mass fraction of non-volatile substances, %	75–85		GOST 17537
Cohesion with surface of aggregate, points, <i>at least</i>	5 points (excellent)		GOST 52128
Density at $t = +20 \pm 0.5^\circ\text{C}$, g/cm^3	1,65	1,45	GOST 31992.1
The complete drying out time at $t = 20 \pm 0.5^\circ\text{C}$, hours, <i>up to</i>	3	12	GOST 19007



ZVS-R

a solvent-based compound

ZVS-V

for SMA, a water emulsion-based compound, intended for application at facilities with restrictions regarding the fire hazard class of mixtures

Application Technology

- Clean the surface from dust, dirt, and grease, or wash it out with water 2-4 hours prior to application.
- Thoroughly stir the compound until achieving uniform consistency, and apply it by means of rubber-covered sliders, rollers or brushes.
- Apply ZVS-R at temperatures not lower than -30°C .
- Apply ZVS-V at temperatures not lower than -5°C .
- Drying-up time of a treated surface depends on weather conditions and thickness of the applied layer and ranges from 2 to 12 hours.