

Description

Single-packed composition based on polyurethane lacquer, contains "iron" mica as an anticorrosive pigment. The coating hardens by air moisture.

Recommended use

Anticorrosive protection of metal, concrete and reinforced concrete structures (articles), operated in the atmospheric conditions of all macroclimate areas, types of atmosphere and placement categories according to GOST 15150, resistant to fresh and sea water, in aqueous solutions of salts, acids, alkalies, in oil and oil products.

It is used in complex protection systems as an intermediate coat or topcoat (in the absence or insignificant intensity of UV-radiation).

It is recommended for use in coating systems with zinc-rich compositions ZINOTAN, ZFES and penetrating primer FERROTAN-pro.

Finishing coats – ALUMOTAN, POLYTON-UR, POLYTON-UR (UV), as well as others polyurethane and vinyl enamels.

Certificates, approvals

Certificate of state registration No. RU.66.01.40.015.E.000147.07.18 dated 16.07.2018

Declaration of conformity POCC RU.СЛ47.Д00291

Industrial and civil construction: GOST 9.401-2018, Guidance document Trust Gidromontazh (РД ГМ-02-18).

Oil and Gas Industry: register of JSC Rosneft, Lukoil, Irkutskaya NC.

Transport construction: Central Scientific and Research Institute of Transport Construction Standart (СТО АО «ЦНИИТС»), GC Avtodor Standart.

Expert statement by Research Institute of Coating Industry, Central Scientific Research Institute Of Construction, All-Union Pipeline Construction Scientific and Research Institute, Concrete and Reinforced Concrete Research Institute of Moscow, Bashneft Research and Project Institute, Russian Research Institute for Natural Gases and Gas Technologies, Scientific Research Institute of Energy Structures (RusHydro) Institute of Ecology and Evolution Problems RAS named after A.N. Severtsov (Russian-Vietnamese Research and Technology Center, Nyachang SIC, Sochi, CIS, Severomorsk).

Technical data

	Coating
Color and gloss	dark-brown metalescent
Dry film thickness of one layer, μm	80-100
Heat resistance in air	120 °C
	Composition
Density, g/cm^3	1.5-1.7
Viscosity	thixotropic
Solids by mass, %	78.0-81.0
Solids by volume, %	64.0 \pm 3
Theoretical spreading rate, g/m^2	200-250
Drying time to 3 degree (GOST 19007-73) at temperature (20 \pm 2)°C and relative humidity (65 \pm 5)%, h	8, not more than

Surface preparation

Primer must be degreased, cleaned of dirt and dust-free.

Application

- mix thoroughly to homogenous condition before application;
- the composition should be diluted to the working viscosity, if necessary;

Apply in factory and field conditions at temperatures from minus 15 °C to plus 40 °C and relative air humidity from 30 to 98 %.

Avoid prolonged air contact of the composition in open containers.

In factory conditions with relative humidity less than 30 % in order to shorten the drying time (by 2-4 times), it is recommended to use a drying agent composition for polyurethane paint materials (TU 2359-047-12288779-2005) in agreeing with representatives of VMP Holding.

Minimum overcoating interval (at a temperature of (20±2) °C and relative air humidity (65±5)%) of the primer before application of the FERROTAN composition:

- ZINOTAN coating – not less than 4 hours;
- ZFES coating – not less than 6 hours;
- FERROTAN-pro coating – not less than 5 hours.

Drying of the coating is natural. When the humidity of the air increases, the drying time shortens.

When applying multi-layer coatings, each subsequent layer should be applied no earlier than after the previous layer has dried up "to tack" (slight touch on the coating does not leave a trace and does not give a feeling of stickiness).

The overcoating interval for the FERROTAN coating before enamels application is not less than 24 hours (at the temperature of plus (20±2)°C and relative air humidity (65±5)%).

The time for complete hardening of the coating before operation is 7 days, before packing and shipping – 24 hours.

Recommended application:

Airless spray

Recommended thinner	SOLV-UR (TS 2319-032-12288779-2002), solvent naphtha
Quantity	up to 10 % by mass
Nozzle diameter	0.017"-0.021" (0.43-0.53 mm)
Pressure	10-15 MPa (100-150 bar)

Conventional (air) spray

Recommended thinner	SOLV-UR, solvent naphtha
Quantity	up to 10 % by mass
Nozzle diameter	1.8-2.2 mm
Pressure	0.3-0.4 MPa (3-4 bar)

Brush/roller

Recommended thinner	SOLV-UR, solvent naphtha
Quantity	up to 10 % by mass

Equipment cleaning

SOLV-UR, solvent naphtha, P-4, 647.

Storage and handling

FERROTAN is supplied in 10 and 1 litre metal containers.

Storage conditions of the base and hardener - in accordance with GOST 9980.5 (at ambient air temperature from minus 40 to plus 40 °C). In storage the package shall be protected from lasting direct sunlight and atmospheric condensation. It is allowed to store the package under direct sunlight, however not more than 3 hours.

The shelf life is 12 months starting with the date of manufacture.

Precautions

When working with composition one shall observe the existing sectoral standard norms and requirements and safety measures as specified on the package label.

One shall use personal protective equipment (goggles, face masks and respirators) and avoid inhalation of solvents and contact of the composition substances with skin, eye mucosa, respiratory channels; use inside the premises is allowed only in case sufficient ventilation is provided.

FERROTAN is classified as fire-hazardous material.

The information is of general character, without consideration to the object specific nature and it is recommended to be read with the Operating Procedure. Use of materials for other purposes not specified here or in case other influencing factors are present shall be approved by the VMP Holding CJSC in writing. In case of absence of such approval the manufacturer is not held liable for the improper use of the material and the buyer falls from the right to present claims connected with the coating quality.



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