



000 «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

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Manufacturer: Russian Federation
TC 20.30.22-014-69372620-2021

FIRE-RETARDING COMPOSITION RAUM-PROFIE W-21

Fire-retarding intumescent water-based enamel

CERTIFICATE

Certificate of Conformity № ЕАЭС RU C-RU.ПБ34.В.00137/22 from 11.03.2022.
Certificate of Conformity № РОСС RU.32623.ОС03.01480 от 06.03.2023
State Registration Certificate № RU.37.ИЦ.02.015.Е.000039.11.12 from 14.11.2012.

DESCRIPTION

Fire-retarding intumescent composition based on water. The composition flame-retardant effect is based on the formation of a thick layer of expanded foam (foam coke) with low thermal conductivity on painted material surface at high temperature. Steam and gases are evolved and the surface is cooled. Does not contain organic solvents, has specific odour which disappear when cured.
Fire-resistance time is 15, 45, 60, 90 min.

FIELDS OF APPLICATION

The coating based on the flame-retardant intumescent composition is used as protection against open fire or other high-temperature effects of steel and wooden beams, supports, wooden buildings, building structures of industrial and civil construction in indoor and outdoor areas (when using a complex coating) in order to increase their fire resistance limit.
Primers such as ГФ-021 (ГОСТ 25129-82) or ГФ-021 fast drying (ТУ 2312-008-20514586-04) should be used to form anticorrosion coating for good adhesion to metal.
The consumption and thickness of the layer of the applied flame retardant coating depend on mass factor and the rate of flame retardant efficiency.

TECHNICAL DATA

Surface	Homogeneous matt surface
Colour	White, tone is not specified
Mass fraction of dry residue, no less	63± 2%
Density	1,25±0,05 g/cm ³
Dry volume residue	60 ± 5 %
Readiness to operations	7 days
Expansion rate, no less	10
One layer thickness, no more	1000 microns (wet layer)

INSTRUCTION FOR USE

Before applying the enamel rust must be removed from the metal surface by any available method (metal brushes, sandpaper or sandblasting). Then the surface is degreased with organic solvents and dried at a temperature close to 20° C for 2-3 hours. The metal is coated with an anticorrosive primer ГФ-021 with a dry layer thickness of at least 50 microns, drying the primer layer for 24 hours at a temperature of 20° C and a humidity of no more than 80%. Next, flame retardant is applied layer-by-layer with inter-coat drying for 24 hours.

CONDITIONS

The flame retardant coating should be used at an ambient temperature from +5° C to +30° C.
Air humidity of no more than 80%.
The surface temperature should be at least 3 °C above the dew point to avoid condensation.

APPLICATION

Preparing Mix before use. The viscosity may increase when stored for a long time. It is allowed to be thinned up to 3-5% with water to achieve the working viscosity when applied by airless spraying with high-pressure devices.



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Air-free spraying	Thinning: 0-10 % Nozzle diameter: 0,027"-0,030" Initial pressure:180-200 atm
Brush	Use for small areas
Roller	Use for small areas
Thinner	Water
Cleaner	Water
Cleaning	Wash the tools after using immediately. The frequency of washing depends on the amount of sprayed material, the temperature and the time since the shutdown, including any time lag.

PACKAGE SIZE

Plastic bucket 20 l: basis 23 kg

STORAGE

Store in a tightly closed container in a dry room at a temperature from +5 °C to +40 °C, away from sources of ignition, protecting from direct sunlight and moisture. **DO NOT FREEZE!**

GUARANTEED STORAGE LIFE

Expire date is 6 months in case if delivery and storing rules are followed. After expire date shouldn't be used without tests.

HEALTH AND SAFETY

Observe precautionary measures. Use means of individual protection (respirators, gloves, glasses, etc.). Use under well ventilated conditions. Use in places without sources of open fire and ignition only. Avoid skin or eyes contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water, don't use solvents. If eyes contact, rinse with clean water for at least 10 minutes, consult a doctor. In case of ingestion consult a doctor.

RECYCLING

When overflowing, cover up with sand and recycle as consumer waste. Packing materials are recycled as consumer waste.

Further Information.

The recommendations above are based on our own research and our best knowledge but don't fully guarantee any particular case as it depends on the quality, friability and porosity of the base. The local working conditions and methods may vary and are beyond our control. Therefore we cannot be held responsible for the actual work on the site. The information is currently updating.



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