



ООО «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

8 (4932)773-503



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Release date: 1.10.2024

Manufacturer: Russian Federation

TY 20.30.22-013-69372620-2021

FIRE-RETARDING COMPOSITION RAUM-PROFIE S-21

Fire-retarding intumescent organic-based enamel

CERTIFICATE

Certificate of Conformity № EAЭС RU C-RU.ПБ34.В.00136/22 from 11.03.2022.
State Registration Certificate № RU.37.ИЦ.02.015.E000003.03.14 from 26.03.2014.
Certificate of Conformity № РОСС RU.04ОПС0.ОС1.07036 от 07.12.2023 г.
Certificate of Conformity № РОСС RU.32001.04ИБФ1.ОСП28.59630 от 11.09.2024 г.

DESCRIPTION

Fire-retarding composition S-21 based on organic solvents. 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.

Fire-resistance time-15, 45, 60, 90.

FIELDS OF APPLICATION

The coating based on the S-21 composition is used as protection against open fire or other high-temperature effects of steel beams, supports, building structures for industrial and civil purposes, including those operated indoors with non-aggressive or slightly aggressive environments, in order to increase their fire resistance limit as well as for operation in atmospheric conditions when using a finishing coating.

Primers such as ГФ-021 (ГОСТ 25129-82 or TY 20.30.22-011-69372620-2021), primer EPPEX TY 20.30.22-002-69372620-2020. Polytex TY 20.30.22-008-69372620-2021 materials are recommended to use as finishing coating.

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	68 %
Density	1,28±0,08 g/cm ³
Dry volume residue	60 %
Open time to grade 3 at 20°C, no more	24 hours
Expansion rate, no less	10
One layer thickness, no more	1000 microns (wet layer)
Readiness for operation	7 days

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 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 carried out at an ambient temperature of -10°C to +25°C and air humidity of no more than 80%.

The surface temperature should be at least 3 °C above the dew point to avoid condensation.



Собственное
современное
производство



Система
Менеджмента
Качества
(ISO 9001)



Аттестованная
лаборатория



На рынке
с 2002 года



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APPLICATION

Preparing	Ready to use. Thinning with formula thinner RP-1K, RP-1KF or toluene to painting consistency is possible when needed.
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	Formula thinner RP-1K, RP-1KF, toluene
Cleaner	Formula thinner RP-1K, toluene
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

Metal euro bucket 21 l: basis 23 kg

STORAGE

Store in a tightly closed container in a dry room, away from sources of ignition, protecting from direct sunlight and moisture.

GUARANTEED STORAGE LIFE

Expire date is 12 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.

CHECK MORE DETAILED INFORMATION WITH STANDARD PROCESS REGULATION!

