

Release date: 14.08.2023
Manufacturer: Russian Federation
ТУ 2316-030-20514586-2015

FIRE-RETARDING COMPOSITION CONSTRUCTIONAL RAUM-PROFIE WKR

CERTIFICATE

Certificate of Conformity №RUC-RU.ПБ34.В.00310/19 from 29.10.2019.

DESCRIPTION

Fire-retarding composition constructional RAUM-PROFIE WKR is a pigment suspension in binding material with thermo resistant and thermal insulation additives. Cured surface has low heat conductivity.

FIELDS OF APPLICATION

The composition is designed to increase the fire resistance of steel structures and structures for industrial and civil purposes, including those operated indoors with non-aggressive or mildly aggressive environments. Primers such as ГФ-021 (ГОСТ 25129-82 or ТУ 2312-008-20514586-04) should be used to form anticorrosion coating or good adhesion to metal. Fire -resistance time is 90 min.

TECHNICAL DATA

| | |
|--|------------------------------|
| 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 | 65±2% |
| Open time to grade 3 at (20+2)°C, no more | 120 min |
| One layer thickness, no more | 300-1500 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 ГФ-021 with a dry layer thickness of at least 50 microns, drying the primer layer at a temperature of 20° C and a humidity of no more than 80%. After drying, 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

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|--------------------------|--|
| Preparing | Mix before use. The viscosity may increase when stored for a long time. It is allowed to be thinned up to 3% with a formula thinner RP1K to achieve the working viscosity when applied by airless spraying with high-pressure devices. |
| Air-free spraying | 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 |



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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: 23 kg

STORAGE

Store in a tightly closed container in a closed dry room at a temperature from - 5 ° C to + 40 ° C, away from sources of ignition, protecting from mechanical damage, 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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