



STRUCTURAL FIRE-RETARDANT PLASTER "URAN-3S"

We present to your attention a Russian development in the field of fire protection of metal structures in conditions of hydrocarbon fires.

The unique structural plaster URAN-3S is a compound consisting entirely of raw materials produced or mined in Russia. Complete absence of dependence on imports.

The URAN-3S plaster was tested at the center of the Federal State Budgetary Institution VNIPO of the Ministry of Emergency Situations of Russia, where the properties of plaster as an effective protection of steel structures in the event of hydrocarbon fires were confirmed.

Plaster can be used to protect enterprises and facilities located on their territory in the industry of extraction, processing, transportation and storage of petroleum products, natural gas, chemicals.



URAN-3S is a fire-protection mixture based on a composition of cements, fillers and basalt fibers. Fillers providing reflective ability and reinforcement give the material additional resistance to atmospheric exposure, temperature fluctuations, and thermal shock. Currently, **URAN-3S** is the most durable, impact-resistant, and weather-resistant among all cement-based fireproof materials available in the Russian market.

MAIN TECHNICAL CHARACTERISTICS OF URAN-3C COATING

Coating color:	from light gray to light beige
Theoretical consumption:	6 - 6.5 kg/m ²
Dry mixture density:	480 - 500 kg/m ³
Fireproof properties:	1 - 7 group of fire protection effectiveness according to GOST-R 53295
Fire resistance rating:	R15 - R240 according to GOST-R 30247

URAN-3S

Tests at the center of the Federal State Budgetary Institution
VNIPO of the Ministry of Emergency Situations of Russia



BEFORE THE TESTS



DURING THE TESTS



AFTER THE TESTS

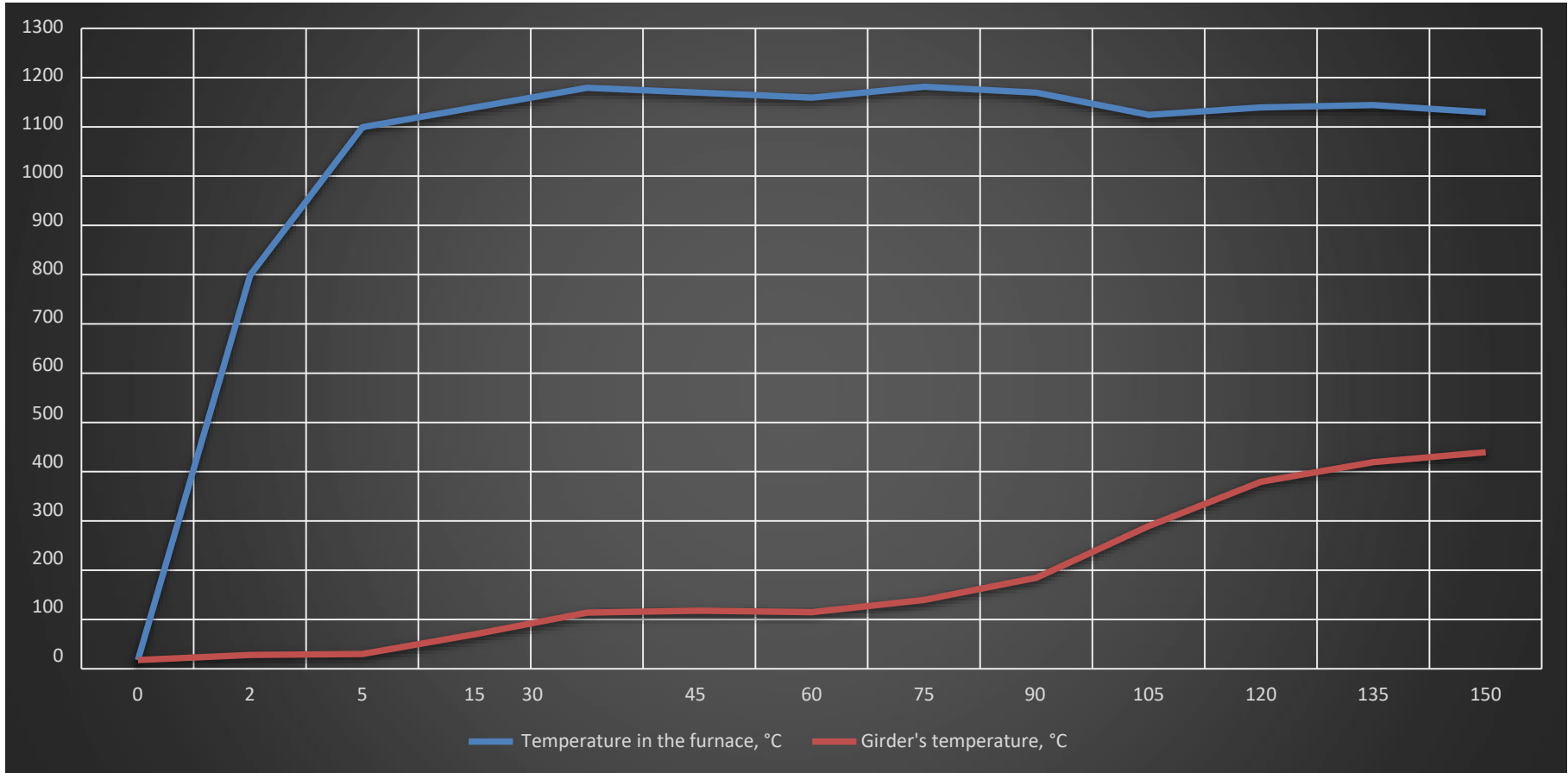


Firestop 3S

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Testing Schedule for the Fireproof Composition URAN-3S





Firestop 3S

URAN-3S ADVANTAGES

- The impact resistance of the coating enables the application of the composition in factory conditions, followed by transportation to the construction site for further assembly;
- Provides high crack resistance during testing and in the course of operation;
- Possesses high resistance to atmospheric exposure;
- Applied in facilities with increased technological hazards;
- Warranty period of operation up to 20 years;
- Less demanding in surface preparation and temperature conditions during application compared to epoxy compositions;
The overall cost per "protected square meter" is significantly lower compared to epoxy compositions designed for protection in hydrocarbon fire conditions;
- The composition is a RUSSIAN development and is not dependent on imports;
- Production is established at plants in the Moscow region and in the Urals;
- The plaster is applied using traditional pre-mixed shotcrete installations, using the wet method.



THANK YOU FOR YOUR ATTENTION!

