Catalogue



Materials Solutions



Protect
the future
together

About company

O3–Coatings is an innovative company, developer and major manufacturer of coating materials for the construction and safe operation of industrial and infrastructure facilities with its own production in the Rostov region. O3–Coatings is a manufacturer of materials for the TRIOCOR™, TRIOFLAME™ and TRIOPRO™ lines.

Over the years, the O3 Company has implemented more than 500 infrastructure projects using O3 materials.
Among our customers are the largest Russian companies, steelworks and general contractors involved in the most significant construction projects in Russia and CIS.

Our Values

It is important for us to think broadly. Not to be guided only by the direct commercial interests of the company, but to take the global problems of humanity into our area of responsibility.
We are open to cooperation in the realization of ideas for a better future.



The O3 experience is a combination of two components:

— All employees of our company as an association of professionals and knowledge holders.

— The technologies we use to efficiently perform our customers' tasks. We solve customers' problems faster and more efficiently, thereby increasing the profitability of their business.

Focus on the future

We are developing innovative directions in order to increase service efficiency and material technology. For example, make them simpler to use in different temperature conditions or make materials more quick-drying. We are also involved in the development of breakthrough technologies to solve new tasks and challenges of our time.

Responsibility

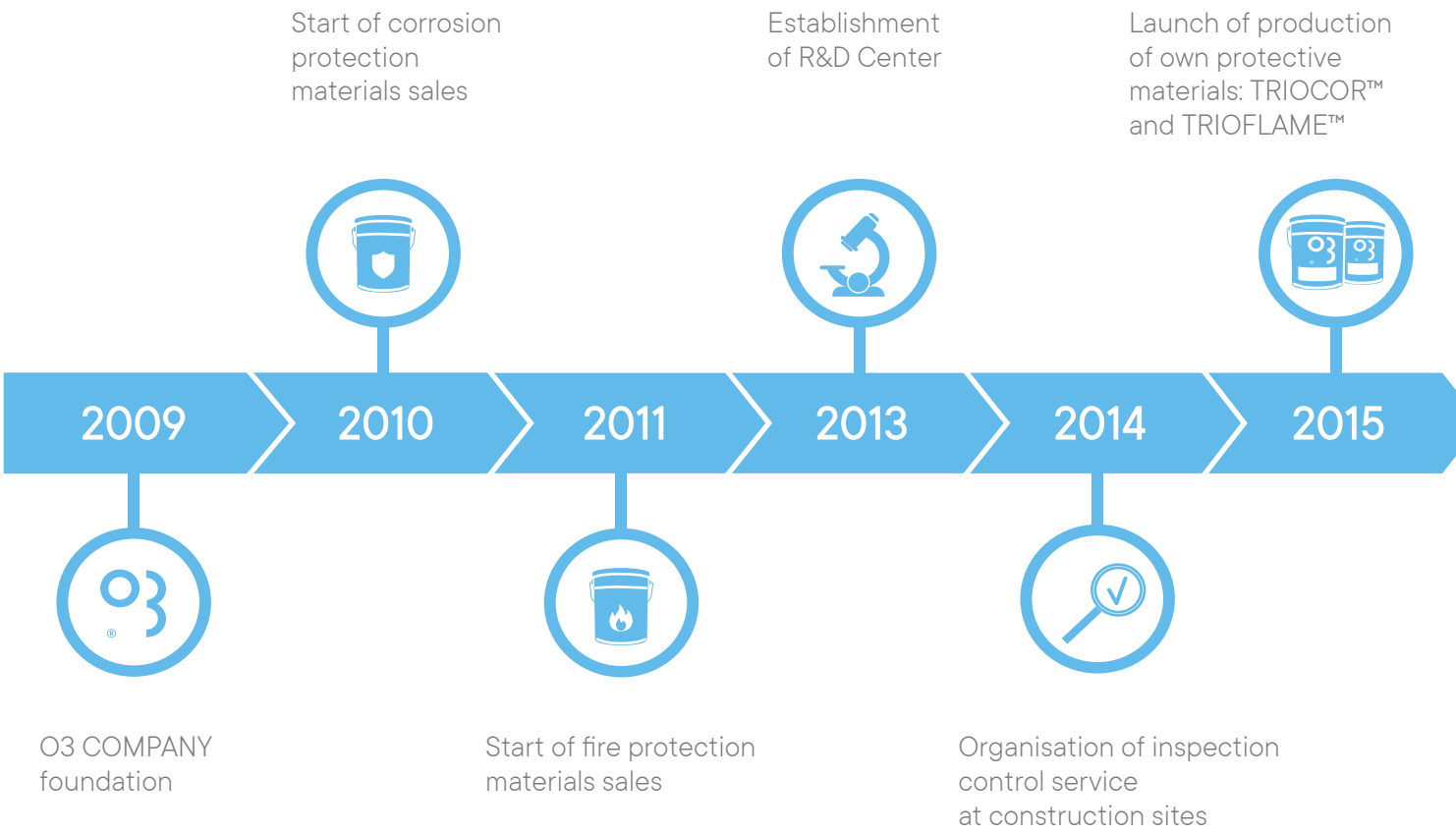
We recognize the need to reduce the human impact on the environment, so we work to reduce emissions and we are committed to resource management.

O3 COMPANY History

The history of O3–Coatings dates back to 2009, when the first company of the group was established, supplying corrosion protection materials and providing technical services. Over the years the company has significantly expanded its sphere of activity and has become one of the leaders of the Russian market of protective coatings for metal structures and concrete.

Since 2015, the company has been producing its own lines of corrosion and fire protection materials TRIOCOR™ and TRIOFLAME™, since 2019 — architectural coatings TRIOPRO™, and since 2020 — disinfectants and cleaning agents TRIOCLEAN™. Thanks to the work of its own R&D Center, the company's product lines are constantly being modified and expanded.

Key date





2016

Organisation of a thermal insulation work unit

2017

Development of TRIOTHERM™ thermal insulation coating

2019

Launch of TRIOPRO™ architectural coatings production

2020

Launch of TRIOCLEAN™ disinfectants and cleaning agents

Launch of O3-Coating's Azov plant

2021

Launch of the second stage of O3-Coating's Azov plant

2023

Purchase of LLC KiiltoClean plant in St. Petersburg



Our advantages

01
Materials approved by leading Russian laboratories

02
Own brands of corrosion protection, fire protection and architectural coatings

03
Own production site

04
Open logistic platform

05
Integrated solutions for products and materials

06
Own R&D Center



O3–Coatings' Plant

The first stage of the O3 Company's plant was launched in July 2020, and the second stage in June 2021. This is a fully automated production, Controlled by a single operator controlled by a single operator.

Manufactured materials: TRIOCOR™ corrosion protection coatings, TRIOFLAME™ fire protection coatings, TRIOPRO™ architectural coatings.

O3 production also has an R&D laboratory, a collaborative research platform based on the Don State Technical University.

The laboratory develops in the field of protective materials, antiviral and antibacterial coatings, de-icing coatings, etc.

Production capacity of the plant:

42 million liters of corrosion protection, fire protection and water-dispersion materials per year.



R&D Center

Two areas of activity — investment and research allow us to develop new products and technologies, as well as improve existing ones.

The laboratory and R&D center have a positive track record in developing protective materials that ensure the safety of active strategically important and hazardous industrial facilities, as well as export-oriented products.

Continuous development and quality control methods for existing products allow for efficient cost optimization.

Team of professionals in analytical chemistry and chemical development, own laboratory O3 and advanced analytical and measuring equipment from leading global manufacturers, such as: RETSCH, IKA, Erwka, Brookfield, Sartorius, Elcometer are the key to create high-tech products.

R&D is a Center of Competence for Research and Expertise in Protective Coatings.
Modern laboratory makes it possible to perform precise tests of coating materials in order to obtain reliable information about indicators of property.

O3 R&D Center is a research center with a modern laboratory, a member of the Skolkovo innovation project.

O3 Company specialises in the development of technologically competitive products in the field of construction chemicals and polymers, as well as the research that accompanying the development process.

The R&D Center carries out investment and innovation activities in the field of energy, thermal insulation, space industry, 3D printing, industrial sector, oil and gas industry.

One of the Center's activities is the analysis of niches of potential demand and search for breakthrough innovative solutions, which help to develop and implement in-demand products and technologies. The O3 R&D Center has developed and O3–Coatings has launched the following ranges of materials and products:

– TRIOCOR™ corrosion protection materials
– TRIOFLAME™ fire protection materials
– TRIOPRO™ architectural coatings
– Professional disinfectants and cleaning agents



O3–Coatings

Production and sale of anti-corrosion and fire-resistant materials. Our solutions have been passed all necessary tests, have Russian and international certificates and can provide long-term protection of our customers' assets.

Main industries

O3–Coatings has significant supply experience for major industry facilities:

Oil & gas and chemistry

PJSC Gazpromneft refineries, PJSC SIBUR Holding petrochemical facilities, JSC Yamal LNG infrastructure, Amur GPP facilities, PJSC Gazprom gas pumping stations, PJSC Transneft tanks.

Power generation

CCGT-TPP for PJSC Nizhnekamskneftekhim–495 MW, The first stage of construction Sakhalin TPP–2, Reconstruction of Voronezh TPP–1 CCGT–223 MW, Amur TPP for the needs of the Amurskiy GPP, Yamal LNG gas turbine power plant.

Infrastructure

Bridges for Russian Railways, The FIFA World Cup stadiums 2018, transfer hubs for LSC MRR and SUE Moscow Metro, Olympic facilities for the Olympic Games in Sochi 2014.

Marine projects

Ice-resistant platform LSP–1 — Filanovsky field. V. Filanovsky Field, Block Conductor.
Development of the Yu. Korchagin field-PJSC LUKOIL, facilities of LLC NOVATEK-Murmansk Large-Scale Offshore Facilities Construction Center.



Anti-corrosion materials TRIOCOR™

Comprehensive solutions for anti-corrosion protection from O3–Coatings:

1. Development, production, and supply of our own TRIOCOR anti-corrosion materials for corrosion environments ranging from C1 to C5 (ISO 12944).
2. Development of a corrosion protection project for facilities of any complexity.
3. Service support and inspection control.

The TRIOCOR™ range of modern corrosion protection materials has been developed and manufactured in Russia. TRIOCOR™ anti-corrosion coating provides effective protection of metal structures against atmospheric factors and aggressive environments, ensuring durability for more than 25 years.

TRIOCOR™ protective coatings are not interior to foreign analogues in their propertied and characteristics and fully comply with the requirements of the State's import substitution policy.

All products have been tested and certified by Russian and international industry research institutes and test centers, such as: JSC "CNIIST", JSC "VNIIZhT", CJSC Melnikov Central Research and Design Institute of Steel Structures, LLC NPO "LKP-Khotkovo-Test", SOT (Netherlands).

TRIOCOR™ systems are included in the list of coating systems recommended in the construction of petrochemical and refining facilities: PJSC "Gazprom Neft", PJSC "SIBUR holding" (LLC "Zapsibneftekhim"), PJSC "Rosneft".

TRIOCOR™ materials authorized by: FHA ROSAVTODOR for steel plates of bridge spans, other carbon steel constructions, federal public highways, and by the State Budgetary Institution "Gormost" for protection of metal structures of bridges.

TRIOCOR™ Material Range

TRIOCOR™ ZINC 1700
Two-component epoxy primer with a high zinc content. Used to protect metal structures of various functional purposes, industrial facilities, oil and gas sector installations, and infrastructure exposed to atmospheric corrosion environments up to category C5 (ISO 12944–2).

— Drying to tack-free state: 10 minutes at 20 °C
— Low-temperature curing down to –10 °C.
— Can be used as a repair primer for galvanized surfaces.
— Certified for use in three-layer systems for operating conditions in N1, NF1, F1 in accordance with (GOST 15150–69).

TRIOCOR™ MASTIC 4500
Two-component high-build modified epoxy primer with zinc phosphate content. Used to protect metal structures, industrial facilities, oil and gas sector installations, and infrastructure exposed to atmospheric corrosion environments up to category C5 (ISO 12944–2).

— Fast drying to tack-free state: 1 hour 15 minutes.
— Combines high-build application with fast drying.
— Low-temperature curing down to 10 °C.

TRIOCOR™ FINISH 5500
Two-component acrylic polyurethane enamel. Used as a finishing coating for epoxy systems and fire-resistant coatings when a durable high-quality finish is required, capable of withstanding aggressive external environments and ultraviolet radiation.

— Can be tinted to match the RAL color scale
— Exceptional gloss and color retention
— Low-temperature curing down to –10 °C.

TRIOCOR™ TOP PRIMER 2100
Single-component fast-drying primer-enamel based on synthetic film-forming technology.

— Tolerant to surface preparation (preparation grades Sa2, St2 are permitted).
— Applies and cures at temperatures from –25 °C.
— For use in environments with atmospheric corrosion activity ranging from very low C1 to high C4 (ISO 12944-2).
— Can be used as a repair material.

TRIOCOR™ NS 4511
Two-component high-molecular-weight epoxy coating cured with polyamide.

— Used as a primer layer in a system operated under ambient atmospheric conditions with a working temperature of up to 120 °C or immersion in liquids with a working temperature of up to 50 °C.

— Suitable for properly prepared surfaces of carbon steel, stainless steel, galvanized steel, steel with intercoat primer, aluminum, concrete, and surfaces with zinc metalization.

— Applicable to surfaces and pipelines made of structural steel, exposed to highly aggressive environments and underwater conditions.



TRIOCOR™ Material Range

TRIOCOR™ PRIMER 1100
Single-component fast-drying primer based on synthetic film-forming technology.

— Rapid drying: to tack-free — 20 minutes, to overcoating — 30 minutes at 20 °C.
— Applied in atmospheric corrosion conditions ranging from very low C1 to high C4 (ISO 12944–2).
— Used as a primer for alkyd, alkyd-modified, and acrylic coatings.

TRIOCOR™ FINISH 5100
Single-component fast-drying enamel based on synthetic film-forming technology.

— Rapid drying: to overcoating 45 minutes at 20 °C.
— Applied in atmospheric corrosion conditions ranging from C1 to high C4 (ISO 12944–2).
— Used as enamel for application on alkyd, alkyd-modified, and acrylic primer coats.
— Available in a wide range of colors (according to RAL).
— Excellent gloss and color retention.
— Applicable and can form a coating within a temperature range of –30 °C to +30 °C.

TRIOCOR™ ABRASIV 4400
A two-component epoxy material cured with polyamine. An abrasion-resistant, resistant to oil and petroleum product spills, diluted acid, alkali, and salt solutions coating designed for the corrosion protection of metal structures used in industrial and marine atmospheres, splash zones, immersion zones, petrochemical complexes, ports, offshore, and maritime projects.

It can be used as a standalone coating or as part of complex corrosion protection systems, overlaid with polyurethane coatings. The coating is capable of curing underwater, allowing for immersion shortly after application.

TRIOCOR™ MASTIC 4500 MIO
Two-component highly-structured modified epoxy primer with iron oxide mica content.
— Used for protecting metal structures in various environmental conditions ranging from C1 to C5 as defined in ISO 12944–2.
— Excellent corrosion resistance under atmospheric exposure.
— Extended thickness range: 75 microns to 275 microns dft.
— Low-temperature curing down to –10 °C.

TRIOCOR™ BETON 4700
Single-component fast-drying anti-corrosion primer-enamel for metallic, concrete, and reinforced concrete structures intended for use in corrosion categories C1–C4 according to ISO 12944–2 in moderate, moderately cold, and cold climates. Forms a weather-resistant coating that retains color and appearance well.

— Can be applied over old coatings based on alkyd, acrylic, epoxy, and other film-forming materials.
— Tintable to match the RAL color scale.
— Overcoating drying time is 1 hour 30 minutes at 20 °C.

TRIOCOR™ RVS 9510
Two-component epoxy-phenolic (novolac) coating. Used to protect the internal surface of tanks and containers storing brine solutions, crude oil, and petroleum products; isolated pipelines and equipment made of carbon and stainless steel.

— Resistant to exposure to hot steam.
— Operating temperature range in dry conditions from –196 °C to +200 °C.

TRIOCOR™ ANTIGLASE 4900
A two-component material consisting of silicone-epoxy polymer binders, water-repellent fillers, and functional additives.

— Used to create anti-icing coatings for outdoor applications in macroclimatic regions with moderate, cold, and maritime climates, coastal areas, either as a standalone coating or as a topcoat in complex corrosion protection systems with epoxy and polyurethane base layers.

— Applied on metal surfaces (steel, galvanized, aluminum), concrete, cement-sand bases, ceramic and polymer tiles, and slate.

— The coating is resistant to the combined effects of water, salt solutions, and UV radiation.



TRIOTEMP™ 400
Fast-drying two-component material consisting of an ethyl silicate-based binder and fine-dispersed zinc powder, forming an inorganic coating with a high zinc content after drying, providing cathodic protection to the steel surface.

— Dries to tack-free: 20 minutes at 23 °C.

— Used to protect various steel surfaces exposed to atmospheric conditions and high temperatures up to +400 °C.

— Resistant to mechanical wear, exposure to solvents, and immersion in oils.

TRIOTEMP™ 600
One-component silicone-acrylic coating, pigmented with aluminum resistant to high temperatures up to +600 °C.

— May be used as a primer, intermediate or finishing layer when operating under ambient conditions.

— Can be applied to the surface of carbon steel, galvanized steel, stainless steel and aluminum substrate.





Fire protection materials TRIOFLAME™

O3–Coatings Company is a major supplier of complete solutions for fire protection of steel structures for industrial and infrastructure facilities, including:

— oil and gas facilities
— workshops and buildings of industrial production
— airports, railway stations, crossings of transport facilities
— stadiums, sports arenas, indoor tracks, etc.
— storage facilities
— shopping centers, cinemas
— office complexes
— exhibition centers, car dealerships, etc.

All fire protection coatings are certified by leading global and Russian industry research institutes.

O3–Coatings' comprehensive fire protection solutions include:

1. Supply of proprietary fire protection materials under the TRIOFLAME™ brand.
2. Development and approval of fire protection projects.
3. Inspection and quality control.

O3–Coatings' range of fire protection coatings includes thin-film intumescent coatings, thermal insulation compounds, and fire protection solutions for both cellulose and hydrocarbon fire scenarios.

TRIOFLAME™ Material Range

TRIOFLAME™ AK 7000
Single-component fire-resistant expanding composition based on a water-based acrylic dispersion. It is used to enhance the inherent fire resistance of metal structures in cellulose fire conditions.

— Environmentally friendly, water-based material.
— DFT of 1500 µm in a single pass, equivalent to TSP 1050 µm.
— Short interlayer drying time.

TRIOFLAME™ AK 7700
One-component fire-resistant intumescent composition based on styrene-acrylic resins and organic solvent. Used to enhance the fire resistance rating of metal structures in cellulose fire conditions.

— It is permissible not to overcoat with enamel when used indoors, provided there is no active moisture condensation and temperature fluctuations above and below 0 °C in an environment with atmospheric corrosion category C1–C2 (ISO 12944–2).

— High coverage capacity up to 2000 wet film thickness in a single pass, equivalent to a DFT of 1440 microns.

— Low-temperature curing down to –10 °C.

TRIOFLAME™ 8800
Fire-resistant, atmospheric-resistant composition designed for passive fire protection of metal structures in various industrial and infrastructure applications.

— Enhances the fire resistance rating of metal structures in cellulose fire conditions.

— Contains 98 +/- 2 % dry residue (by volume).

— The temperature range of the resulting composite coating is from –60 °C to +70 °C.



TRIOTHERM™ Material Range

TRIOTHERM™ 3000
Single-component water-based acrylic thermal insulating material. A weather-resistant, heat- and energy-saving coating with increased vapor permeability, used for insulating facades of residential and non-residential buildings. The coating doesn't require additional protection against mechanical impact and aggressive environmental factors. Intended for application on concrete, metal, and brick surfaces. It can be used as part of combined structural fire protection systems.

— Possesses qualities of a high-quality facade paint suitable for tinting.
— The coating can be used in a temperature range from –40 °C to +170 °C.

TRIOTHERM™ 3500
Two-component epoxy thermal insulating material. Designed for insulating pipelines, process units, and equipment to prevent heat leaks and/or protect personnel, as well as for protecting steel and concrete structures and elements of technological systems from cryogenic spills. It can be used as a standalone thermal insulation coating with soundproofing properties, as part of anti-corrosion coating systems, and combined structural fire protection systems, operating at temperatures ranging from –60 °C to +150 °C.

— When applied using airless spraying method, the maximum DFT in a single pass can reach 2000 microns equivalent to a DFT of 2000 microns.

TRIOTHERM™ 3700
Single-component acrylic thermal insulating material designed for insulating pipelines, process units, and equipment to prevent heat leaks and/or protect personnel, as well as for protecting steel and concrete structures and elements of technological systems from cryogenic spills. It can be used as a standalone thermal insulation coating with soundproofing properties, as part of anti-corrosion coating systems, and combined structural fire protection systems, operating at temperatures from –40 °C to +70 °C.

— When applied using the airless spraying method, the maximum DFT in a single pass is 2000 microns equivalent to a DFT of 1500 microns.

TRIOTHERM™ 3800
One-component acrylic thermal insulation material designed for use as part of combined structural fire protection coating systems operated at temperatures from –40 °C to +80 °C.

— When applied by airless spray method, the recommended WFT in one pass can reach 2000 microns, which corresponds to a DFT of 1320 microns.

TRIOTHERM™ 3500 cryo
Two-component epoxy thermal insulation material.

— Designed to insulate pipelines, process units and equipment to prevent heat leakage and/or protect personnel, as well as to protect steel and concrete structures and elements of technological schemes from cryogenic spillage.

— It can be used as an independent thermal insulation with soundproofing properties, as part of corrosion protection coating systems and combined fire protection systems operated at temperatures from –60 °C to +150 °C.



O3 solution for protection against hydrocarbon combustion in accordance with GOST R EN 1363–2–2014

A hydrocarbon fire involves the combustion of highly flammable materials with a significant potential for heat energy release, such as the burning of oil, oil products, or natural gas.

The epoxy composition TRIOFLAME™ provides reliable protection for metal structures of various functional purposes in facilities within the fuel and energy complex, where the possibility of a fire developing along the hydrocarbon curve exists.

The material ensures effective protection for structures operating in harsh conditions, including exposure to low temperatures, aggressive environmental conditions, and high humidity.

TRIOFLAME™ 8800
A two-component fire-resistant epoxy composition increases the inherent fire resistance threshold of metal structures under standard temperature conditions in accordance with GOST 30247, as well as alternative temperature regimes, including hydrocarbon temperature conditions, as per GOST P EN 1363–2.

Advantages:

Application with standard equipment

Stable pricing in rubles, unaffected by currency fluctuations

Added value:

Operating temperature range of the coating	Dry film thickness	Dry residue
–60 °C to +70 °C	2000 microns	98±2 %



Professional architectural coatings TRIOPRO™

The TRIOPRO™ product line is designed for painting public and residential spaces.

The innovative TRIOPRO™ technology combines the aesthetics of decorative paints with the durability of industrial coatings, ease of application, and effective functionality.

The TRIOPRO™ professional paints extend the service life of painted surfaces and reduce maintenance costs.

Highly advanced TRIOPRO™ extend the service life of painted surfaces and reduce the cost of service operation of surfaces.

TRIOPRO™ coatings for interior and exterior work are suitable for painting both new prepared surfaces and for renovating previously painted ones. They can be applied to concrete, brick, cement, mineral, gypsum board, wooden surfaces, plaster, and paintable wallpaper, among others.

Water-based paints by TRIOPRO™ are eco-friendly, have no strong odors, contain no volatile organic compounds, and are safe for people and the technical personnel applying the coatings.



TRIOPRO™ Material Range

TRIOPRO™ PRIMER 1000
Universal primer for interior and exterior use. Provides comprehensive preparation of most substrates before applying water-based paints and enamels.

— Ensures strong intercoat adhesion.
— Offers excellent coverage.
— Seals and isolates surfaces.
— Can be used for spot or full-surface priming.

TRIOPRO™ PRIMER 1200
Deep-penetrating primer for interior and exterior use. This deeply penetrating and hydrophobic primer is designed for leveling strong mineral, porous surfaces, as well as concrete and silicate brickwork.

— High penetrating ability.
— Effectively evens out the absorbency of the substrate and strengthens it.
— SSuitable for both exterior and interior applications.

TRIOPRO™ MASTER 2000
Matte latex paint for walls and ceilings suitable for almost any surfaces. It offers excellent coverage, high adhesion, is odorless, and easy to apply.

— Suitable for surfaces with high wear and tear.
— Contains anti-fungal and anti-mold additives, making it suitable for use in damp areas.
— Resistant to abrasion.
— Weather-resistant.
— Good vapor permeability.
— Class 1 for wet scrub resistance.
— Can be tinted to match most color systems (RAL, NCS).

TRIOPRO™ MASTER 2010
Matte water-based material for walls and ceilings. It boasts exceptional durability, high coverage, and forms a coating resistant to light wet cleaning.

TRIOPRO™ Material Range

TRIOPRO™ MASTER 3000
Semi-matt water-dispersion paint for walls and ceilings, creates a smooth painted surface. It is exceptionally durable, highly covering, strong and elastic.
— Easy to apply.
— 1st class wet abrasion resistance.
— Anti-mold and mildew additives allow for use in humid environments.
— Weatherproof.
— Good vapour permeability.
— Can be tinted in most colour systems (RAL, NCS).

TRIOPRO™ MASTER 4000
Matte water-based paint for ceilings.
— High coverage.
— Forms a bright white matte finish.
— Extended “open” working time for convenience and ease of application.
— Optimal leveling.

TRIOPRO™ FINISH 6000
Universal enamel for both interior and exterior applications. It has high resistance to atmospheric conditions and can be applied to heating radiators with temperatures up to +80 °C.

— Resistant to dynamic and high operational loads, temperature fluctuations.
— Good coverage.
— High resistance to UV rays.
— Does not yellow.
— Suitable for painting black metals, wooden, and concrete surfaces.
— Can be tinted to match various color systems (RAL, NCS).

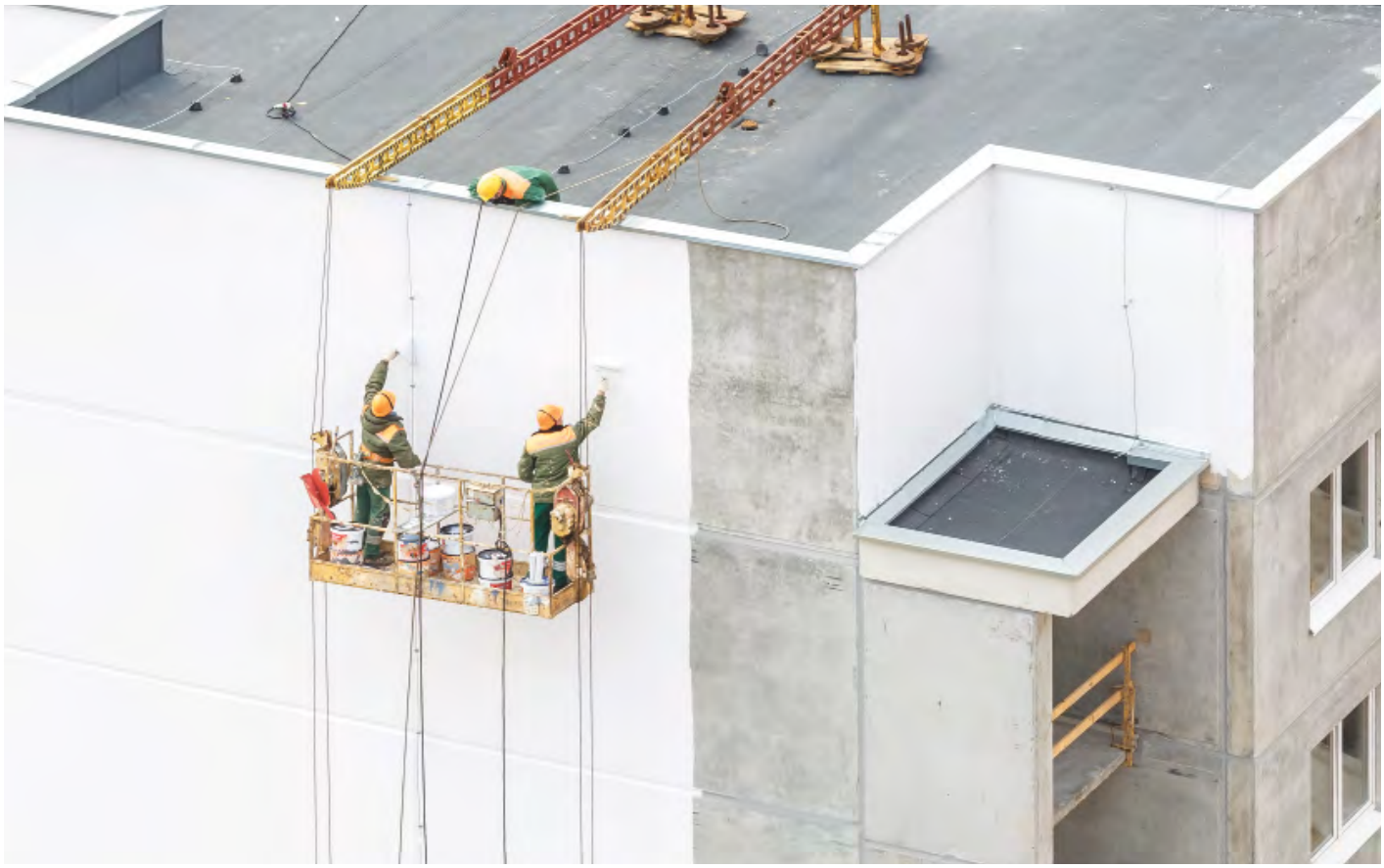
TRIOPRO™ FACADE 2200
Matte water-based paint for exterior use. It creates a smooth, dirt-resistant, mold-resistant, and fade-resistant painted surface. Suitable for application on concrete and stone surfaces.

— High coverage and weather resistance.
— Can be applied at low temperatures (from +5 °C).
— Resistant to temperature fluctuations and rain showers.
— Contains additives against mold and mildew.
— Easy to apply.
— Can be tinted to match various color systems (RAL, NCS).

TRIOPRO™ SMART FACADE AG 0001
Anti-graffiti coating, a clear solvent-based formula. Designed for application on metal, quality exterior paints, brick, decorative stone, tiles, and wood.

— Forms a film that cures under the influence of atmospheric moisture.
— Can be applied by airless spraying, brush, or roller.
— The coating is long-lasting and withstands multiple water cleaning cycles.





TRIOPRO™ FACADE 3200
Semi-matte elastic exterior paint based on water.

— High coverage, weather resistance, and adhesion.
— Resistant to fading and abrasion.
— Withstands rain showers.
— Good vapor permeability.
— Covers fine cracks.
— Can be tinted to match most color systems (RAL, NCS).

TRIOPRO™ WOOD FINISH 5020
Water-based solution of fire protection components, antiseptics and functional additives, with or without organic colouring, which does not form a film and ensures formation of a surface protection layer (surface impregnation).

— Designed for fire protection of wood in fire protection group I.
— Helps to increase the retention time of wooden structures and increase the time for evacuation by slowing down the wood burning process.
— Protects wood from biological damage (rot, mold, fungi, blue stain).
— Applied to new and old (unpainted or stripped of old coating).
Wooden surfaces, as well as wood-based materials (fiberboard, chipboard, plywood, MDF, OSB, glulam, etc.).

TRIOPRO™ SHIELD 2030
Water-dispersion paint with protective properties against microbes, bacteria and viruses. For painting concrete, brick, gypsum and wood-fibre surfaces in interior areas.

— Kills 99% of bacteria and viruses on surfaces.
— Easy to use.
— Resistant to mechanical stress and wet cleaning.
— Available in 4 colors from the NCS palette.

TRIOPRO™ LINE 6200
Professional paint for applying road markings on asphalt and cement concrete surfaces.

— Resistant to temperature changes, chemical and meteorological effects.
— Quick drying.
— Available in 6 RAL colors.



IMPLEMENTED PROJECTS

Implemented projects. Oil & Gas



Liquefied natural gas and stable gas condensate Terminal “Morning” Stage 11, Stage 15

2021/2023
Corrosion Protection and Fire Protection
Products: TRIOCOR MASTI™ C 4500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 10,000 m²
Asset Owner: Mezhregiontruboprovodstroy, JSC
Steel production plant: Decor, LLC ZLK
General Contractor: LENMORNIIPROJEKT, JSC



Delayed coking unit (DCU). Omsk Refinery

2019/2021
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500 MIO, TRIOTHERM™ 3500 +, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 287,000 m²
Asset Owner: Gazpromneft–ONPZ, JSC
EPCm-contractor: Tecnimont S.p.A. General Contractor: Velesstroy, LLC
Steel production plant: JSC ZOK, LLC OmZM-METAL, LLC CM, LLC USPG, LLC METALL-PROFIT, ZMK MAMI, CJSC KZMK TEMPO



Ilskiy Refinery. Construction of the VST park

2020/2021

Corrosion Protection

Products: TRIOCOR™ RVS 9510
Coverage: 40,000 m²
Asset Owner: KNGK-INPZ, LCC
General Contractor: SEKhZ, LCC



Center for the construction of large-capacity marine facilities (CCSMC). Complex for the manufacture of gravity-type foundations and the integration of topside modules.

2019/2020
Fire Protection
Products: TRIOFLAME™ 8800
Coverage: 50,140 m²
Asset Owner: NOVATEK-Murmansk, LCC
General Contractor: Velesstroy, LCC
Designer: KONAR, JSC
Steel production plant: JSC NTZMK, LLC JVK CIMOLAI, CJSC Kurganstalmost

Implemented projects. Oil & Gas



Mural application on the surface of the LNG storage tanks №2, №4. Yamal LNG

2018/2019
Corrosion Protection and Fire Protection
The features of the project
– Performing work at an existing facility in the SIMOPS zone
– Performing of the whole complex of works on tanks №4 in 4 weeks by the method of industrial mountaineering in the conditions of polar day
Coverage: 21 000 m²
Asset Owner: Yamal LNG, JSC
Contractor: O3 Company



The third stage of the Kharyaginsky field development project. Oil and water storage tanks, oil production cluster unit

2017/2018
Fire Protection
Products: TRIOFLAME™ EP 8800
Asset Owner: Zarubezhneft, JSC
Subcontractor: Zarubezhneftstroymontazh, LLC



Structure of the CDU / VDU complex. Gazprom Neft Omsk Refinery
2017/2019
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500, TRIOTHERM™ 3500, TRIOFLAME™ EP 8800
Coverage: 503,964 m²
Asset Owner: Gazpromneft ONPZ, JSC
EPC Contractor: TECHNIP
General Contractor: Gazprom avtomatizatsiya, PJSC
Steel production plant: LLC VM, LLC Gemont, LLC GSI LLC VF NZM, JSC MAGNUM, LLC ZOK, LLC ZSK, OJSC OmZM-METAL



Combined Oil Refining Unit EURO + (CORU). Moscow Refinery

2017/2019
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500, TRIOFLAME™ AK7700
Coverage: 550,000 m²
Asset Owner: Gazprom Neft Moscow Refinery, JSC
EPC Contractor: Tecnimont S.p.A.
Contractor: NIPIgazpererabotka, JSC

Implemented projects. Extractive industry



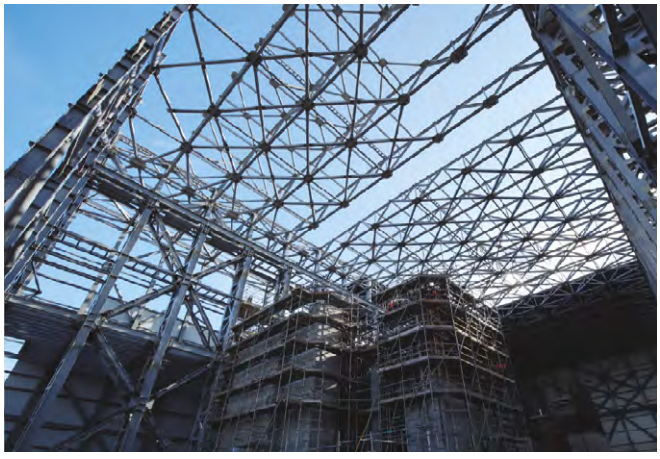
Volkovskoye field the III stage. Construction of an enrichment plant to process copper-iron-vanadium ores.

2022/2023
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 150,000 m²
Asset Owner: Svyatogor, JSC
Designer: Uralmekhanobr, JSC
Steel production plant: ZOK, JSC



Construction of a processing complex for processing zinc and copper-zinc ores. Krasnoturinsk-Polymetal

2020/2021
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 93 000 m²
Asset Owner: Ural Branch of Polymetal UK, LLC
General Contractor: Ural Branch of Polymetal UK, LLC



Mining and Metallurgical Combine UDOKAN

2021
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOFLAME™ 8800, TRIOFLAME™ AK 7700
Asset Owner: Baikal Mining Company, LLC
Designer: Mekhanobr engineering JSC, TOMS engineering LLC
General Contractor: LEVITEK, LLC
Steel production plant: LEVITEK, LLC



Gas piston station Varnenskaya. Mikheevsky Mining and Processing Plant

2017
Fire Protection
Products: TRIOFLAME™ AK 7000, TRIOFLAME™ CONSTRUCTIVE AK 7111
Asset Owner: Russian Copper Company, JSC
Designer: Rolt Engineering, CJSC
General Contractor: MCM №2, LLC

Implemented projects. Power Generation



Construction of Vladivostok HPP–2

2022/2023
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ AK7700, TRIOCOR™ FINISH 5500
Coverage: 40,000 m²
Asset Owner: RusHydro, PJSC
General Contractor: Ust-SrednekanGESstroy, JSC
Designer: ITE-Project, LLC



Sakhalin TPP–2. The first stage of construction

2022
Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3700, TRIOFLAME™ AK7700, TRIOCOR™ FINISH 5500
Coverage: 90,000 m²
Asset Owner: Sakhalinenergo PJSC, RusHydro PJSC



CCGT-TPP Nizhnekamskneftekhim, PJSC

2020/2021
Corrosion Protection
Products: TRIOFLAME™ AK7700, TRIOTHERM™ 3700, TRIOCOR™ FINISH 5100
Coverage: 80,500 m²
Asset Owner: TGK–16, JSC
Designer: TatBelEnergoProject, LLC
Contractor: ENKA İnşaat ve Sanayi A.Ş.



Combined cycle power plant in Sumqayit, Azerbaijan

2019/2020
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500, TRIOCOR™ ABRASIV 4400
Coverage: 9,500 m²
Asset Owner: AzrEnerji ASC
General Contractor: Azenco, JCS
Subcontractor: BCC group

Implemented projects. Power Generation



Main building, 220 kV GIS building, transfer towers, crushing buildings, pump stations, conveyor galleries, transfer points.
Sakhalin TPP–2. The first stage of construction
2016/2019
Corrosion Protection and Fire Protection
Products: TRIOFLAME™ AK7700, TRIOFLAME™ CONSTRUCTIVE AK 7111, TRIOFLAME™ EP 8800, TRIOCOR™ FINISH 5500
Coverage: 467,000 m²
Asset Owner: PJSC RusHydro
Designer: JSC Institute Teploelectroproject
General Contractor: JSC Mosenergo
Contractor: JSC NIPIgazpererabotka



Reconstruction of Voronezh HPP–1.
Construction of GSU–223 MW

2019
Corrosion Protection and Fire Protection
Products: TRIOFLAME™ AK 7700, TRIOTHERM™ 3700, TRIOCOR™ FINISH 5500
Coverage: 45,500 m²
Asset Owner: Quadra, PJSC
Designer: RUE BELNIPIENERGOPROM
General Contractor: Quadra, PJSC



Uchaly Mining and Metallurgical Combine.
Novo-Uchalinsky underground mine

2022/2023
Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3700, TRIOFLAME™ AK 7700, TRIOCOR™ FINISH 5500
Coverage: 16 000 m²
Asset Owner: Uchaly MMC, JSC



Amur Thermal Power Plant.
Complex of buildings and structures

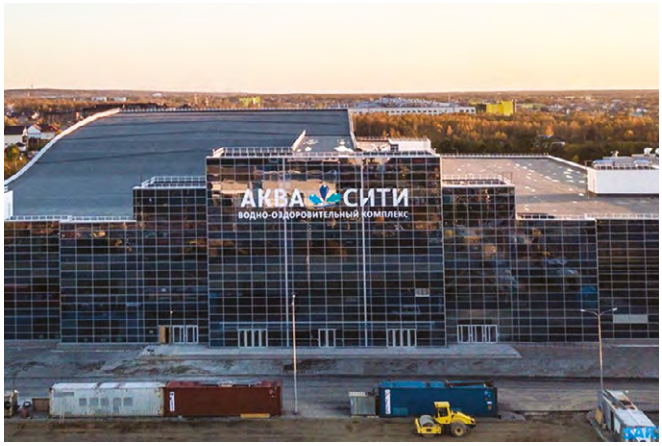
2018
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500, TRIOTHERM™ 3700, TRIOFLAME™ AK 7700
Coverage: 40, 000 m²
Asset Owner: Gazprom, PJSC
General Contractor: TEK Mosenergo, JSK
Designer: Institute Teploelectroproject, JSK

Implemented projects. Infrastructure



Completed projects. Infrastructure Construction of technological modules TM7 and TM8 included in the data processing center (DPC) Sberbank PJSC on the territory of the L innovation center “Skolkovo”

2022/2023
Corrosion Protection and Fire Protection
Products: TRIOFLAME™ AK 7700,
TRIOCOR™ FINISH 5500.
Coverage: 60 000 m²
Asset Owner: PJSC Sberbank
Contractor: Osoran-FireProtection, LLC



Water sports center Sakhalin region, Yuzhno-Sakhalinsk

2022/2023
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500,
TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 54 000 m²
Asset Owner: GEH Engineering, LLC
General contractor: TEK Mosenergo, JSC
Designer: PI Arena, JSC



Construction of a vocational training center. PJSC “UEC-UMPO”

2021
Corrosion Protection
Products: TRIOCOR™ PRIMER 1100,
TRIOCOR™ FINISH 5100
Coverage: 33 500 m²
Asset Owner: UEC-UMPO, PJSC
General Contractor: Vertex, LLC
Designer: Kazan GIPRONIAVIAPROM, CJSC
Steel production plant: SpetSproMstal, LLC



Reconstruction of the facility “Transport and logistics complex for blending, packing and storage of lubricants in Torzhok“

2022
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 17,300 m²
Asset Owner: Shell Neft, LLC
General contractor: Stellar construction, LLC
Designer: Engineering company LKM-project, LLC

Implemented projects. Infrastructure



Construction of a concert complex for 1,500 seats at the Sirius Educational Center in Sochi

2022
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 90 000 m²
Asset Owner: Foundation Talent & Success
General contractor: Valesstroy, LLC
Contractor: Feniks, LLC
Steel production plant: Chimolai LLC JVK, Belenergomash-BZEM LLC



Sevastopol Opera and Ballet Theater

2022
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 93 000 m²
Asset Owner: Fond National Cultural Heritage
General contractor: Stroytransgaz JSC, Argo JSC
EPC Contractor: METROPOLISm, LLC
Steel production plant: Chimolai, LLC JVK



Multifunctional administrative and shopping complex Business Park “Skolkovo”

2019/2021
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ 8800, TRIOCOR™ FINISH 5500
Coverage: 25 000 m²
Asset Owner: Zarechye-Development, LLC
General Contractor: Dekra Construction, JSC
Designer: Architectural Workshop "Abv Group", LLC
Subcontractor: PP "Volkompani" LLC, O3 Company, Altair Stroy-Service LLC



West Siberian complex of deep processing of hydrocarbon raw materials (UVS) into polyolefins. Objects of the general factory economy

2017/2019
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500, TRIOFLAME™ AK 7700, TRIOFLAME™ EP 8800
Coverage: 118 367 m²
Asset Owner: Zapsibneftekhim, LLC
Designer: NIPIgazpererabotka, JSC
Subcontractor: NIPIgazpererabotka, JSC

Implemented projects. Transport infrastructure



Reconstruction and construction of the Warsaw highway Andreevskoye village – Yakovlevo village

2019/2021
Corrosion Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 63 000 m²
Asset Owner: JSC Engeocom
Contractor: JSC Gorod
Subcontractor: LLC ARKTRON



Elevated pedestrian crossing over the tracks of the Moscow Central Diameter–2 in Shcherbinka

2022
Corrosion Protection
Products: TRIOTHERM™ 3700, TRIOFLAME™ AK 7700, TRIOCOR™ FINISH 5500
Coverage: 20,000 m²
Asset Owner: Russian Railways JSC, Central PPK JSC
Designer: ITS, JSC
General Contrstor: RusTrainEngineering, LLC
EPC Contractor: KDS–3, LLC



Reconstruction of the overpass over the railway tracks on Malinovsky Street. Rostov-on-Don

2020/2021
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 25,000 m²
Asset Owner: MSI DISOTI
Contractor: ROSTOVAVTOMost, JSC
Designer: PromProjectReconstructions



Construction of a stop point at the Odintsovo-Lobnya station of the Belarussian direction (MCD–1 “Odintsovo-Lobnya”). Reconstruction of the Okruzhnaya bus stop

2019/2021
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 15 000 m²
Asset Owner: DKRS-Moscow, JSC RZD
Contractor: MOSTENERGOSTROY, LLC

Implemented projects. Transport infrastructure



Construction of an overpass and a transport interchange at different levels at the intersection of the railway in the area of PMK–9, Novy Urengoy

2019/2021
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 112 530 m²
Asset Owner: Mostostroy–11, JSC
Designer: Institute Tyumengrazhdanproekt, JSC
Steel production plant: Branch of JSC Mostostroy–11 TF Mostootryad–36



Metal structures of the superstructure of the bus stops “Minskaya” of the Kiev direction of the Moscow Railway Junction and “Okruzhnaya”of the Moscow Central Diameter (MCD–1)

2019
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 20 000 m²
Asset Owner: DKRS, LLC
General Contractor: Moskovskaya mostostroitelnaya company, LLC



Zaryadye Park. Floating bridge

2020
Corrosion Protection
Products: TRIOCOR™ BETON 4700, TRIOCOR™ FINISH 5500
Coverage: 3 000 m²
Asset Owner: Gormost, GBU
Contractor: VSE DLYA GORODA, LLC



Reconstruction of the overpass for 3 km PK3 (oblique overpass) in Moscow. Railroad bridge

2017
Corrosion Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 25 000 m²
Asset Owner: RZD, JSC
Designer: Institute Giprostroymost, JSC
General Contractor: NPK Glavstrojsouz, LLC

Implemented projects. Transport infrastructure



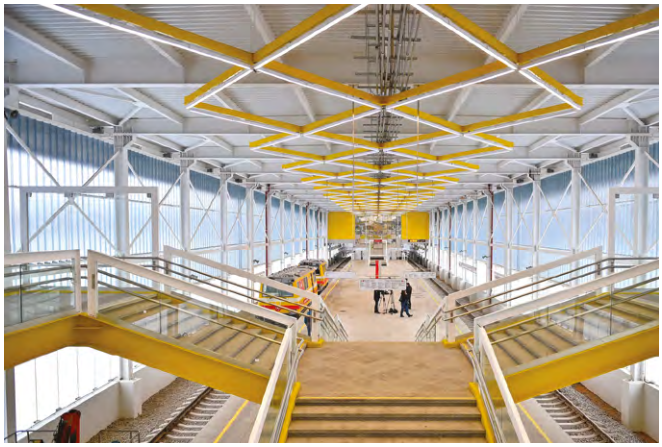
Railway station, Northern and Southern gatherings of the transport interchange hub at Cherkizovo station

2021
Corrosion Protection and Fire Protection
Products: TRIOTHERM™ 3700 + TRIOFLAME™ AK 7700, TRIOCOR™ FINISH 5500
Coverage: 15 000 m²
Asset Owner: DKCC RZD, JSC
General contractor: RZDstroy, JSC
Contractor: Azimut, LLC
Designer: Roszheldorproekt, JSC



Savelovskaya railway stop “Okruzhnaya MCD”

2019/2020
Corrosion Protection and Fire Protection
Products: TRIOCOR™ MASTIC 4500, TRIOFLAME™ AK 7700, TRIOCOR™ ZINC 1700
Coverage: 25 000 m²
Asset Owner: DCRS-MOSCOW RUSSIAN RAILWAYS, JSC
Contractor: EV ENGINEERING, LLC



Terminals and crossings of the Moscow metro stations Filatov Lug and Prokshino

2018
Corrosion Protection and Fire Protection
Products: TRIOFLAME™ AK 7700, TRIOFLAME™ EP 8800, TRIOCOR™ FINISH 5500
Coverage: 8 000 m²
Asset Owner: MOSTOTREST, JSC
Designer: Mospromproekt, JSC
Subcontractor: Flameproof, LLC



The northern understudy of Kutuzovsky Prospekt from the Molodogvardeyskaya transport interchange to the Moscow City along the Smolensk direction of the Moscow Railway

2020/2021
Corrosion Protection and Fire Protection
Products: TRIOCOR™ ZINC 1700, TRIOCOR™ MASTIC 4500, TRIOTHERM™ 3500, TRIOFLAME™ EP 8800, TRIOCOR™ FINISH 5500
Coverage: 70 000 m²
Asset Owner: New Concession Company, JSC
Contractors: Main Road JSC, Professional Builder LLC
Designer: Mosproject 3 JSC, Transmost JSC

Implemented projects. Transport infrastructure



The ring intersection of the Starosheremetievsky highway, the highway Lobnya – Sheremetyevo airport

2021
Corrosion Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ ZINC 1700, TRIOCOR™ FINISH 5500
Coverage: 5 000 m²
Asset Owner: SFI of the Moscow region “DRC”
General contractor: Road Construction and Maintenance Company No. 7, LLC
Designer: VTM Dorproekt
3MK: Branch of Mostostroyindustria JSC Plant No. 50 Yaroslavl city



Repair of the bridge over the Bolshoy Irgiz River on the Pugachev-Perelub highway in the Pugachevsky district of the Saratov region

2022
Corrosion Protection
Products: TRIOCOR™ BETON 4700, TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 10 000 m²
General contractor: SFI of the Saratov region “Directorate of Transport and Road Management”
Stroy plus, LLC



Overhaul of the bridge of Tavda – Santkovo village across the Karatunka river

2020
Corrosion Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 7 500 m²
Asset Owner: MSI Tavdinsky city district “A single agency of the customer”
Contractor: MC Anticor, LLC
Designer: NIL Transmost, LLC



Repair of the bridge over the river Ob in Barnaul

2021
Corrosion Protection
Products: TRIOCOR™ MASTIC 4500, TRIOCOR™ FINISH 5500
Coverage: 10 000 м²
Asset Owner: RSFI “Altayavtodor”
Contractor: MC Anticor, LLC

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2023

Protect
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together

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