



innovative road materials

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PRODUCTION OF ROAD CONSTRUCTION MATERIALS



Adhesives



Stabilizing Additive



Polymer Additive



**Plasticizing Agent
for PBB**



Paint



innovative road materials

www.riminvest.ru

ABOUT US

Riminvest LLC develops and produces materials for high-quality asphalt concrete mixtures. Our stabilizing and adhesive additives, polymer-bitumen binders plasticizing agent are used in the construction and repair of federal and regional roads.



2 production sites



1 own laboratory



60 Over 60 employees.

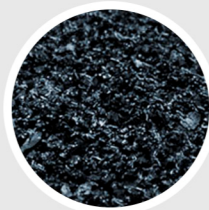
IN 2018, THE FOLLOWING MATERIALS WERE SOLD:



482 TONS

adhesive additives

for hot asphalt concrete mixtures (types A, B, C, D for MMACM)



2,580 TONS

stabilizing additive

for "Granulite" MMACM



3,850 TONS

"PH 20" plasticizing agent

for polymer-bitumen binders production

NEW

This year, we developed and put into production new products to allow our customers save funds in MMACM production without compromising the quality of asphalt concrete pavement as it is provided in GOST 31015-2002. They are multifunctional polymer dispersion stabilizing additives **"S25 Granulite Polymer"** and **"S45 Granulite Polymer"**.

GRANULITE



GRANULITE-66

CELLULOSE-BASED STABILIZING ADDITIVE

for MMACM per Company Standard STO 04386077-001-2016



75% of cellulose fiber,
10% of polymer,
15% of bituminous binder.



4 kg per
1 ton of ACM.



Dry admixing
time is 5-15 sec.



Easy dosing
with a dosing device.



GRANULITE AT



92% of cellulose fiber,
8% of organic binder.



4 kg per
1 ton of ACM.



Dry admixing
time is 5-15 sec.



Heat resistance prevents the
additive from burning in all
cycles of MMACM production.

FIBER LENGTH

AVERAGE FIBER LENGTH IS 1,100 MICRONS



COMPLIES WITH ALL EUROPEAN STANDARDS



ADHESIVES

ADHESIVE ADDITIVES
per Company Standard STO 04386077-001-2016



AFT TYPE B

AFT TYPE C

FOR ALL TYPES OF ASPHALT CONCRETE MIXTURES



Increases crack resistance of asphalt concrete pavement.



No strong odor.



Reduces water saturation and increases long-term water resistance of ACM.



Easy addition with a dosing device or manually.



AFT TYPE D

FOR "WARM" ASPHALT CONCRETE MIXTURES



Allows to reduce the temperature of asphalt concrete mixture when laying by 30–50 °C.



Provides high-quality compaction of asphalt concrete mixture.



Possesses strong adhesion properties.



Increases the ductility of bituminous binder.

"AFT" adhesive additives show great results with all types of macadam in many regions of the country.

In 2018, we put into operation additional facilities for "AFT" adhesive additives production.

CELLULOSE BASED "AFTISOTDOR" ADHESIVE ADDITIVE

Company Standard STO 04386077-001-2016



AFTISOTDOR ADVANTAGES:



ADDITIVE

Amount of the additive to be added in the mixture is 0.3-0.6% depending on the quality of materials used.



NON-CARCINOGENIC!

No strong odor when laying the road. Environmental compatibility is certified by the Sanitary and Epidemiological Inspection Report.

**MADE
IN RUSSIA**

PRODUCT

Domestic product to replace all foreign analogues.



ROSTAVTODOR

Application was agreed with ROSAVTODOR (Russian Federal Road Agency).



RESEARCH

Positive expert opinions by German and Canadian laboratories.



DURABILITY

Extends durability of asphalt concrete.



BITUMEN

Improves bitumen resistance to ageing.



STORAGE TERMS

Maintains bitumen and PBB adhesion for 4-5 days.



PRICE

Price per 1 ton of bitumen is one of the best in the field.



OPERATING RANGE

Extends the temperature limits for application to -4 °C.



According to Federal State Unitary Enterprise "ROSDORNII", when added to asphalt concrete, "Aftisotdor" additive improves adhesion with acidic granite rocks due to neutralizing of negatively charged particles on the surface of acidic rocks.

PLASTICIZING AGENT

IN 2018, **MORE THAN 80,000** TONS OF PBB WAS PRODUCED USING OUR PLASTICIZING AGENT.

✓ OUR PRODUCT IS OIL-BASED, WHICH GUARANTEES GOOD INTERACTION WITH BITUMEN.

✓ IT IS USED BY MANY LEADING RUSSIAN PBB MANUFACTURERS.

WHY PLASTICIZER IS NECESSARY?



If plasticizing agent is not used, it is necessary to add more polymer.



Asselerates PBB production.



Increases adhesion of bitumen manufactured on its basis.



Improves distribution of SBS copolymer and other components in PBB.



Ensures the required brittleness point.



Prevents bitumen corrosion.

In 2018, an innovation brand PH-25 was developed and introduced. In addition to existing features, it has the following advantages:



MORE LIQUID
(lower chilling point).



NO STRONG ODOR.



REDUCES THE BRITTLENESS
POINT TO - 30 ° C.



SAVES POLYMER.

GRANULITE



S25 GRANULITE POLYMER (REPLACES PBB)

POLYMER STABILIZING ADDITIVE

Company Standart STO 04386077-001-2016



Cellulose-based
with polymer modifier.



5 - 6 kg per 1 ton
of asphalt
concrete mixture.



Applied as
a stabilizing additive and
bitumen binder modifier
in MMAC preparation process.



Reduces the manufacturing
cost of MMACM using
PBB by 1,000 rubles
per 1 ton of mixture.



S45 GRANULITE POLYMER

POLYMER STABILIZING ADDITIVE

Company Standart STO 04386077-001-2016



Based on cellulose,
polymer
modifier, and
synthetic fiber.



5 - 6 kg per 1 ton
of asphalt
concrete mixture.



Due to the composition,
eliminates the stage of
bitumen premodification.



At least 30% of
savings compared to
the use of foreign
polymer additives

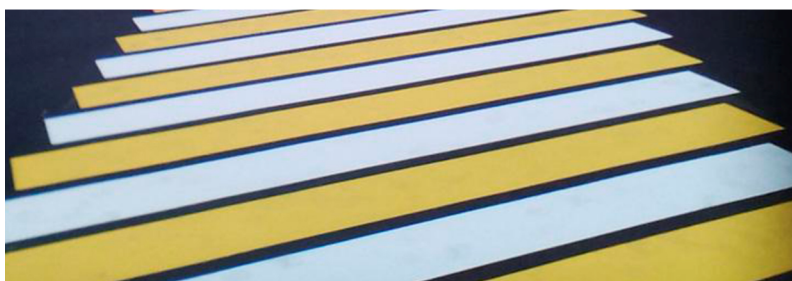


Used as a stabilizing
and modifying
additive



HIGH-QUALITY PAINTS FOR ROAD MARKING

ACRYLIC ENAMEL



Efficiency:

- fast drying;
- high brightness coefficient;
- resistance to water, gasoline, and many chemicals.

COLD PLASTIC



Description: White liquid mixture. Polymerized through interaction with hardener. Does not require a warmup before application, which gives the possibility to paint quality road marking lines avoiding deformation.

Efficiency:

- resistant to sunlight and precipitation;
- wear-resistant, retains color, resistant to reagents;
- has a long service life.

THERMOPLASTIC



Description: White loose mixture. Consists of polymers, pigments and fillers.

Efficiency:

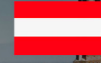
- weatherproof;
- resistant to chemical action;
- provides grip of vehicle wheels.

EXPORT

IN 2018, THE BRANCH WAS OPENED IN MUNICH TO PROMOTE THE PRODUCTS TO THE MARKETS OF:



GERMANY



AUSTRIA



BELGIUM



SWITZERLAND

MEMORANDUM OF COOPERATION

WITH EMIXECOLE, GERMANY WAS SIGNED.

AIM:



Exchange of experience and technologies.



Creation of internship program for students in the field of road engineering.

IN 2019, IT IS PLANNED TO INTRODUCE OUR PRODUCTS TO THE MARKETS OF:



UAE



IRAN



TURKEY



QATAR



SAUDI ARABIA

THEY TRUST US



ABZ-1



Transstroy Mekhanizatsia



Belaroddorstroy



ООО БИТУМ

Bitum Salavat LLC



SP Autoban



ТРАНСПОРТНО-ЭКСПЕДИЦИОННАЯ КОМПАНИЯ

SK transmagistral



Ниж АвтоДорСтрой

Nizh avtodorstroy



ГОСУДАРСТВЕННАЯ КОМПАНИЯ

Autodorengeering



Sibna



TODEP



Kazdorstroy



Rostov avtodor



SU-43



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WE INVENT




WE PRODUCE



WE DELIVER WORLDWIDE

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