



390000, Russian Federation, Ryazan, Novoslobodskaya street, building 13, block 1

“TOPTTECH”, LLC successfully operates in the market of biofuel since 2012 and in the market of sawn timber since 2017. Our regular partners are buyers of biofuels and timber from Russia, Germany, Denmark, Poland, Romania, Czech, Slovakia, Bulgaria, Latvia, Lithuania, Estonia, Uzbekistan etc.

Our woodworking enterprise “TOPTTECH”, LLC is located in the town of Sasovo, Ryazan Region, Russian Federation. We have our own sustainable wood raw material base with an area of more than 53,000 hectares on a 49-year long-term lease of forests in Sasovskoe and Sheluhovskoe forestry districts of the Ryazan region with annual logging about 150 000 cubic meters.

In 2016 “TOPTTECH”, LLC was included in the list of priority investment projects of the Russian Federation in the field of forest development, which allowed us to invest in the construction of a new top-tech woodworking and biofuel plant.

Complete information about our company you can find on the web-site following <http://en.toptechrus.com/> .

“TOPTTECH”, LLC today is

- the enterprise with the sustainable forest management, legal wood raw-materials and the high environmental standards;
- the enterprise of a full wood-processing cycle, which is equipped with the high quality machines of the leading European and Russian producers.
- the enterprise with a wide range of high-quality products in this field.

“TOPTTECH”, LLC has the facilities to annual production of

- different kinds of pine-wood timber – 20 000 m³ / year <http://en.toptechrus.com/products/timber> ,
- pellets fuel (pellets) – 5 000 t / year <http://en.toptechrus.com/products/fuel-pellets> ,
- fuel briquettes RUF – 5 000 t / year <http://en.toptechrus.com/products/fuel-briquettes> .

Our company focuses to the export markets. We are interested in stable and reliable partners.

For our part, we can offer you high quality products, reliability and the observance of delivery schedules, the individual approach to each client and maximum consideration of your desires and peculiarities of your business.

Please feel free to contact us if you need any further information at any time.

Respectfully,

TOPTTECH TEAM

1. We offer you lengthwise sawn timber, unplanned, thickness of more than 6 mm, of pine origin PINUS SYLVESTRIS L., conifers wood sawn (pine), Code 4407119401.

- Our standard board dimensions:
 - standard board thickness, mm: 22 – 100 mm,
 - standard board width, mm: 50 – 150 mm,
 - standard board length, mm: 1200, 3000 – 6000 mm.
- Standard board moisture: 16–18%%.
- Board Processing: edged board, unplanned timber.
- Board quality corresponds to GOST (Conifers sawn timber. Specifications) 8486-86.

Timber of other dimensions and moisture is on request.

2. We offer you wood pellets "TOPTECH". Code 4401310000.

High-quality pellets "TOPTECH" are made of chemically untreated the wood processing industry by-products and residues (sawdust, shavings, and chips) of pine which confirmed by INCOLAB SERVICES RUSSIA S.G. Certificate of Assay d.d.10/04/2021.

The overview of High-quality pellets "TOPTECH" most important parameters and the related threshold values

Property	Unit	Pellets "TOPTECH"
Diameter	mm	6 ± 1
Length	mm	3,15 < L ≤ 40
Moisture	w-%	≤ 10
Ash	w-%	≤ 0,7
Mechanical Durability	w-%	≥ 98,0
Fines (< 3,15 mm)	w-%	≤ 1,0 (≤ 0,5)
Temperature of pellets	°C	≤ 40
Net Calorific Value	kWh/kg	≥ 4,6
Bulk Density	kg/m ³	600 ≤ BD ≤ 750
Ash Deformation Temperature	°C	≥ 1200

B-quality pellets "TOPTECH" for power generation plants are made of chemically untreated the wood processing industry by-products and residues (sawdust, shavings, and chips) of pine (contains elements of bark).

The overview of B-quality pellets "TOPTECH" most important parameters and the related threshold values

Property	Unit	Pellets "TOPTECH"
Diameter	mm	6 ± 1
Length	mm	3,15 < L ≤ 40
Moisture	w-%	≤ 10
Ash	w-%	≤ 2,0
Mechanical Durability	w-%	≥ 97,0
Fines (< 3,15 mm)	w-%	≤ 1,0 (≤ 0,5)
Temperature of pellets	°C	≤ 40
Net Calorific Value	kWh/kg	≥ 4,6
Bulk Density	kg/m ³	600 ≤ BD ≤ 750
Ash Deformation Temperature	°C	≥ 1100

Pellets are packed in 1050 kg big-bags.

3. We offer you wood briquettes RUF "TOPTTECH", Code 4401390000.

We produce high-quality wood briquettes RUF, which correspond to the high European quality standards and confirmed by the certificate of SGS VOSTOK LIMITED №.: 181202-217058-SP-MIN-0602-19/A2.

Fuel briquettes RUF "TOPTTECH" are made of chemically untreated the wood processing industry by-products and residues (sawdust, shavings, and chips) of pine (may contain elements of bark).

The overview of "TOPTTECH" Fuel Briquettes RUF most important parameters and the related threshold values

Property	Fuel Briquettes RUF "TOPTTECH"
Length	150 mm
Width	100 mm
Height	60 mm
Total moisture	9,60%
Ash in dry	0,30%
Ash as received	0,20%
Volatile matter in dry	85,50%
Volatile matter as received	77,30%
Gross calorific value in dry	4896 kcal/kg
Gross calorific value as received	4428 kcal/kg
Net calorific value as received	4086 kcal/kg
Sulphur in dry	0,01%
Sulphur as received	0,01%

Briquettes RUF are packed in thermos-bags with 12 (10 kg) briquettes in each bag and transferred on pallets with 96 thermos-bags (960 kg) on each pallet.

Dear friends,

For our part, we can offer you high quality products, reliability and the observance of delivery schedules, the individual approach to each client and maximum consideration of your desires and peculiarities of your business.

Respectfully,

Anton ASTAFYEV
Export Director

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