



Official Partner and
Distributor for the UK

BRONYA
SUPERFINE HEAT INSULATION

THERMAL INSULATION



www.bronya-uk.co.uk

info@intergienia.co.uk

PRODUCT RANGE

This is an overview of some of our products



CLASSIC

This is a Film-forming material for insulation of surfaces with a temperatures up to +200°C



PRIMER

Universal Primer is a primer for all Bronya Insulating products. Can be used on unstable surfaces to improve adhesion



FACADE

Applied on facades of buildings to prevent frost and condensation, fungus formation and protects the buildings and structures against heat loss



ANTICOR

Can be applied directly on a rusty surface. Is highly efficient and has extra anti-corrosion properties along with a corrosion preservative and modifier



WINTER

In contrast to other liquid ceramic heat insulation materials. Bronya Winter can be applied at a temperature below zero and down to -30 °C



ANTIFIRE

Bronya Fire Protection components enhance fire endurance of steel structures, industrial and civil facilities from 45 to 120 minutes



To see the full range of products available please visit: www.bronya-uk.co.uk/product-range/

HOW TO CONTACT US:

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PRODUCT BACKGROUND

This section will give you an overview and information on how the product works

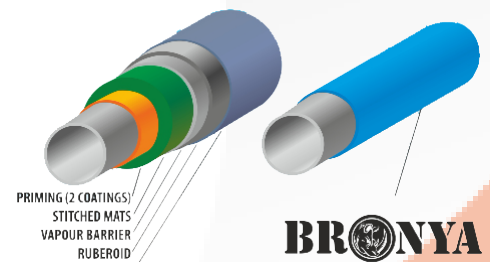
Applied as paint, acts as heat barrier! Bronya superfine heat insulation, thin heat insulation paint, is applied almost on any surface. After polymerization a surface gets flexible, matt and has unique thermo physical properties (1 mm of liquid Bronya heat insulation actually equals 50-60 mm mineral wool), prevents heat loss and condensate formation, ensures corrosion protection and protection against burns. Bronya superfine heat insulation is very effective for purposes of heat insulation of building envelopes, roofs (where it stops the formation of icicles), walls from the inside, window jambs, hot and cold water pipelines, steam pipelines, chimneys, various reservoirs, trailers, ships, etc.

Bronya ceramic heat insulation is applicable at a temperature from -60°C till $+200^{\circ}\text{C}$ (up to $+260^{\circ}\text{C}$ for a short time period). According to the results of laboratory artificial ageing and data of application practice the average life term of Bronya liquid heat insulation lasts from 10 to 30 years (subject to the environmental conditions).

HOW DOES IT COMPARE TO STANDARD INSULATION ?



1mm of Bronya can replace several layers of different products currently used for insulating walls, pipes and other surfaces



To see videos and more detailed explanation please visit: www.bronya-uk.co.uk/product-info/

WE HAVE A PRODUCT TO SUIT YOUR EVERY NEED..



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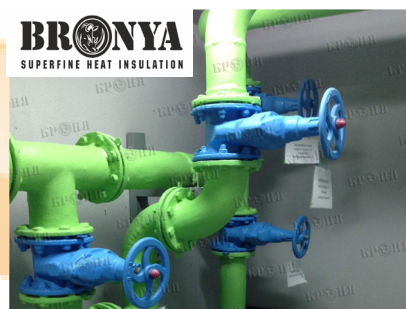
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DIFFERENT APPLICATIONS

This is an overview of different applications



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BRONYA | CLASSIC

This is an overview of the Individual products



Liquid thermal insulation Bronya Classic is a universal basic composition suitable for various applications which has high and stable adhesion to metals and construction materials. Thermal insulation Bronya Classic is a temperature resistant, weather-protective, not vapor-resistant coat which contains rust inhibitors.

Extra-fine insulation Bronya Classic is highly effective for insulation of building sides, roofs, internal walls, window jambs, concrete floors, hot and cold water supply pipelines, steam pipelines, ducting for air conditioning systems, cooling systems, various vessels, tanks, trailers, refrigerators and etc. It is used to avoid condensing on cold water supply pipelines and to decrease heat loss in pursuance of Construction Norms and Regulations (SNiP) in heating systems. The product is suitable for use in temperatures from -60° to $+200^{\circ}$ C (up to $+260$ in peak short-term period). Product service life is up to 15 years. Nowadays our product is used in facilities and operations of a wide range of fields.

Liquid extra-fine thermal insulation Bronya Classic is the best extra-fine thermal insulating material that you have ever seen, used and applied! Thanks to modern in-house laboratory, possibility to promptly use latest products of global leaders in the chemical industry for improvement and optimization purposes, rich experience in development and implementation of extra-fine coats into industrial production, our liquid thermal insulator Bronya Classic has unsurpassed thermo-physics, mold-ability and airiness.

Plastic 20L bucket of thermal insulating paint Bronya Classic weighs only 9.5 kg. During transportation and storage, liquid thermal insulation Bronya practically does not get fictionalized.



To read more details about CLASSIC please visit: www.bronya-uk.co.uk/product/classic/



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BRONYA | FACADE

This is an overview of the Individual products



FACADE Extra-fine thermal insulation Bronya Facade. This is the first in the world extra-fine ceramic thermal insulating material which can be applied by 1mm layer at a time and which has vapour permeability of a high-quality facade paint. Due to high heat-reflective properties and reduced labour costs for coat application if compared to similar extra-fine thermal insulators at least by half, it will be the best solution for construction professional thermal insulation for you and your clients.

Bronya Facade is a weather-resistant high-viscous compound specially developed for thermal insulation of vertical surfaces. The coat applied inside and outside of a wall forms single joint-less surface and preserves heat all over the room what has a positive effect on micro climate. Bronya Facade reflects up to 80% of visible solar and infra-red radiation spectrum. It results in significantly reduced indoor heating in summer time and lower conditioning expenditures, and in winter time it can reduce heat loss by up to 30%. Thermal insulation Bronya Facade is a long-life material having high adhesion to any construction materials and repellent properties along with good vapour permeability.

Liquid ceramic thermal insulation Bronya Facade is used for heat insulation of plastered, concrete, brick, wooden and other surfaces of enclosing structures of buildings and constructions when for inside and outside jobs. Ceramic thermal insulation Bronya Facade can be covered with emulsion-based acrylic paint or papered. Bronya Facade can be tinted only provided that it follows our process sheet and our recommendations on colour paste selection and technical details.

Application of Bronya Facade helps to:

- Ensure thermal insulation both inside and outside a wall
- Preserve usable area size (with indoor thermo insulation)
- Not increase structural unit load;
- Insulate facades of architectural solutions (incl. Reconstruction works)
- Improve premises thermal comfort
- Reduce expenditures and time for construction works



To read more details about FACADE
Please visit: www.bronya-uk.co.uk/product/facade



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BRONYA | ANTIFIRE

This is an overview of the Individual products



ANTIFIRE or “FIRE PROTECTION” is used in the construction of a protective layer weight bearing structures indoors and outdoors of buildings of type A-B, operated under different atmospheric conditions. The composition is used for both industrial and domestic applications. Bronya Fire protection is designed to improve the fire resistance of building structures from 45 to 120 minutes.

Bronya Fire Protection components enhance fire endurance of steel structures, industrial and civil facilities from 45 to 120 minutes.

Fire retarding properties comply with GOST P 53295-2009.

Fire retarding paint or Bronya Fire Protection (R45, R60, R90, R120) is used to improve fire safety of enclosing structures. Application procedure for the protection material is simple, making any additional installation works unnecessary. Fire protective paints are reliable and durable and therefore fire protection using paint is convenient and reasonable. This is most true for hard-to-reach places because you don't have to disassemble structures to perform repeated fire suppression works.



To read more details about ANTIFIRE
Please visit: www.bronya-uk.co.uk/product/antifire

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BRONYA | ANTICOR - ANTIRUST

This is an overview of the Individual products



Liquid thermal insulation Bronya Anticor (Antirust) This is the first and unique material developed in Russia which can be applied directly onto the rusted surface. It is enough to just remove loose rust with a wire brush and right after that thermal insulation Bronya Antirust can be applied following its application guide. Extra-fine thermal insulation Bronya Antirust is a special compound with improved adhesion and rust-preventing characteristics. It is resistant to UV light and chemicals (salt solutions, acids, alkali, some types of oil products). The coat increases the service life of isolated surfaces and protects against corrosion.

Extra-fine liquid insulation Bronya Antirust is used for thermal insulation of construction steel structures, metalware, pipelines, various industrial equipment exposed to high humidity or hostile environment. Operating temperature is from -60°C to +150°C.

Application of Bronya Antirust helps to:

- Decrease or eliminate condensation formation on cold water pipelines and air ducts
- Isolate equipment without process shutdown
- Cut repair costs by reducing time spent for leak search and old isolation removal
- Prevent metal surfaces from thermal distortion



To read more details about ANTICOR
Please visit: www.bronya-uk.co.uk/product/anticor/



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BRONYA | UNIVERSAL PRIMER

This is an overview of the Individual products



UNIVERSAL PRIMER is a primer for all Bronya Insulating products. This can be used on unstable surfaces to improve adhesion. Universal Primer is designed to handle with absorbent substrates before attaching of ceramic and stone tiles, laying the self-leveling compounds of floor, etc. for interior and exterior. Universal Primer is applied to the walls and floors for processing:

- Concrete, cement-sand screed (including heated surface);
- Sand-cement, cement-lime and lime plasters;
- Lightweight and aerated concrete;
- Anhydrite screeds and gypsum plasters;

- Compressed wood, fiberboard, gypsum, cement-and other plates;
- Combination of ceramic and silicate brick, natural and artificial stone, concrete blocks, etc.



To read more details about UNIVERSAL PRIMER
Please visit: www.bronya-uk.co.uk/product/primer

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BRONYA | WINTER

This is an overview of the Individual products



WINTER Liquid extra-fine thermal insulation Bronya Winter. First time a liquid thermal insulation can be worked with at temperatures of down to -35°C .

Thermal insulating paint Bronya Winter is a recent development in the extra-fine liquid ceramic thermal insulating materials line. Unlike any other liquid ceramic thermal insulating materials (LCTIM) represented in the global market, Bronya Winter can be applied at freezing and positive temperatures from -30°C to $+30^{\circ}\text{C}$, whereas lowest temperature for regular LCTIM is $+5$ to $+7^{\circ}\text{C}$. Thermal insulation Bronya Winter consists of special acrylic polymers and hollow vacuumized ceramic microspheres, as well as coloring, fire-retardant, rheological and inhibiting agents.



To read more details about WINTER
Please visit: www.bronya-uk.co.uk/product/winter

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WE CAN EVEN COLOUR MATCH

This is an overview of some of the products we currently offer

Taking into account certain limitations associated with impossibility of application of various finishing coating after Bronya layer to add necessary colours, it is recommended to use colour paste. Tinting of Bronya superfine heat insulation is possible if the following conditions are observed: Bronya heat insulation makes it possible to apply water-based pigment paste of various colours. It is necessary to use exactly paste for acrylic water-dispersion paint-and-lacquer materials.

In order to ensure the warranted quality, it is recommended to use pigment paste of well-known manufacturers, such as Luconyl (BASF, Germany), Unisperse S/E (Ciba, Switzerland), Cromshade (Eurocolori S.r.l.), Symphony (Tikkurila), Holcolex (Holand Colours Hungaria Kft, Hungary). Tinting should be applied on the last technological coating in order to prevent loss of efficiency of heat insulation properties of the surface.

The colours should be pastel (not saturated), in order to prevent changes of thermo physical properties of Bronya. The maximum concentration of colour in Bronya material should not be not over 1%. Agitation during tinting should not exceed 100 rpm. You can use a vibrating machine, but this method is less efficient than common paddling.



Please Note: That besides these recommendations you should also follow instructions for Bronya application

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PRODUCT FAQ's

This section will answer the most popular questions asked about the product range

WHAT MATERIALS CAN I USE THE PRODUCT WITH?

The Bronya Product Range can be applied with a brush or a sprayer to any surface, any shape. Metal, Polyurethane, Concrete, Brick, Wood even Glass, Plastic or Plaster.

WHAT COLOURS DOES IT COME IN?

The Bronya Product Range dries to a White Matt Colour. By mixing with a range of paint pigments, it is possible to achieve the finishing colour you require

CAN I PAINT OVER THE INSULATION?

YES, you can paint over the insulation with any acrylic or masonry paint

WHAT IS THE TEMPERATURE RANGE FOR THE PRODUCTS?

Please see the diagram below for details.

Operating temperature
of BRONYA superfine heat insulation

BRONYA
SUPERFINE HEAT INSULATION



For more FAQ's please visit:
www.bronya-uk.co.uk/faqs/

Application temperature
of BRONYA superfine heat insulation

BRONYA
SUPERFINE HEAT INSULATION



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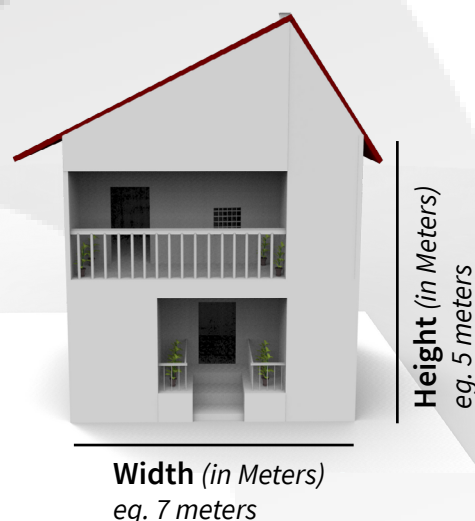
ESTIMATE CALCULATIONS

This is a guide for you to use to calculate the amount of thermal insulation required

Calculations and Coverage

Consumption of the Bronya thermal insulation coats is the same for all modifications and depends on a number of factors, primary of which is application means and surface condition, as well as some other.

Laboratory consumption (when surface type and application means are not taken into account) of the **Bronya superfine thermal insulation coats** is **1 liter per 1m² with 1 mm layer**



Your Coverage Area

Wall No.	Width (in Meters)	Height (in Meters)	m ²
# 1			
# 2			
# 3			
# 4			
# 5			
# 6			
Total			

Width (in Meters)	Height (in Meters)	m ²
7m	5m	35m ²

eg. 35m² would require 35 Litres of Bronya



For more help and advise
Please visit: www.bronya-uk.co.uk

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NOTES PAGE

This is an area for you to make notes, drawings and calculations

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