POLYURETHANE SPRAY FOAM

POLYURETHANE SPRAY FOAM

PROFESSIONAL CHEMISTRY



APPLICATION:

- heat insulation of walls;
- filling of building voids, cracks and cavities;
- thermal insulation and hermetic sealing of interpanel joints;
- thermal insulation of construction joints;
- thermal insulation of water and sewer networks, heating systems;
- sealing and soundproofing of motor vehicle bodies;
- thermal insulation of roof/wall connections;
- installation of windows and doors;

-10°C +35°C

VASmann home spray foam

The VASmann home spray foam with a tube applicator is designed for installation, sealing and soundproofing operations. It has an increased yield of the final product and a minimum volume of the initial material. VASmann home is a universal product used for both household and industrial purposes.
Due to its manufacturing technology, the spray foam can be used for large-scale interior and exterior finishing works and improvement of buildings and facilities.

PROPERTIES:
- performance: up to 45 liters of the final product;
- soundproofing of 59 db;
- high heat-insulation and soundproofing values;
- high adherence to construction materials such as concrete, brick, plaster, wood, metal and plastic foam;
- high flexing resistance;
- fungus resistance;
- application temperature: -10°C to +35°C;

- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -10°C and higher



APPLICATION:

- heat insulation of walls;
- filling of building voids, cracks and cavities;
- thermal insulation of construction joints;
- thermal insulation of water and sewer networks, heating systems;
- sealing and soundproofing of motor vehicle bodies;
- installation of windows and doors

-10°C +35°C

VASmann mini spray foam

The VASmann mini spray foam with a tube applicator is designed for installation, sealing and soundproofing operations. It has an increased yield of the final product and a minimum volume of the initial material. The VASmann mini spray foam is available in a value pack with a convenient tube applicator for limited household installation works. The product in a small-size package can be used for installation works in hard-to-reach places.

PROPERTIES:
- performance: up to 30 liters of the final product;
- convenient value pack — 500 ml bottles.
- high heat-insulation and soundproofing values;
- high adherence to construction materials such as concrete, brick, plaster, wood, metal and plastic foam;
- high flexing resistance;
- fungus resistance;
- application temperature: -10°C to +35°C.

- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -10°C and higher



APPLICATION:

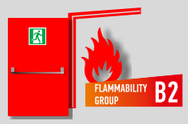
- insulation and hermetic sealing of chimney and flue pipe joints;
- installation of window and door structures made of PVC, aluminum, metal and wood;
- sealing of wall and floor joints;
- filling of voids and cracks in brick and concrete walls

EI 240 +5°C +35°C

VASmann firestop foam

The firestop one-component polyurethane sealing foam is used for construction and installation operations in buildings and facilities with high fire safety requirements, including application of fireproof materials.
An optimal composition ensures a homogeneous and stable polymer yield and an ideal fire-pored structure of the final product.

PROPERTIES:
- product yield up to 65 liters;
- application temperature: +5°C to +35°C;
- operating temperature: -50°C to +90°C;
- surface film formation time: 6 to 8 minutes (at +20°C/RH 90%);
- preliminary treatment time: 35 to 45 minutes (at +23°C/RH 70%);
- full polymerization time: up to 12 hours (at +23°C/RH 70%);



- EI 240 fire resistance class;
- G1 combustibility group;
- B2 flammability group.



APPLICATION:

- installation of door and window structures;
- filling of cavities ad voids;
- filling of interpanel joints;
- installation of window stools

-10°C +35°C

VASmann premium 70+ spray foam

The VASmann premium 70+ professional spray foam is high-quality one-component polyurethane foam with a high adherence to most construction materials such as concrete, brick, plaster, wood, and plastic. It is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the extended temperature range from -10°C to +35°C.
The increased capacity of 890 ml increases the final product yield to 70 liters per bottle.

PROPERTIES:
- performance: up to 70 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: -10°C to +35°C.

- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -10°C and higher



-20°C

APPLICATION:

- installation of door and window structures;
- filling of cavities ad voids;
- filling of interpanel joints;
- installation of window stools

-20°C +35°C

VASmann arctic 65+ spray foam

The VASmannarctic 65+ professional spray foam is high-quality one-component polyurethane foam with a high adherence to most construction materials such as concrete, brick, plaster, wood, and plastic. It is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the maximum temperature range from -20°C to +35°C.
Due to its unique formula, the product is effectively polymerized at the minimum air humidity. It also has a classic combination of the 850 ml capacity and 65-liter final product yield

PROPERTIES:
- performance: up to 65 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: -20°C to +35°C.

- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -20°C and higher



-20°C

APPLICATION:

- installation of door and window structures;
- filling of cavities ad voids;
- filling of interpanel joints;
- installation of window stools

-20°C +35°C

VASmann arctic 70+ spray foam

The VASmannarctic 70+ professional spray foam is high-quality one-component polyurethane foam with a high adherence to most construction materials such as concrete, brick, plaster, wood, and plastic. It is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the maximum temperature range from -20°C to +35°C.
Due to its unique formula, the product is effectively polymerized at the minimum air humidity. The increased capacity of 890 ml increases the final product yield to 70 liters per bottle.

PROPERTIES:
- performance: up to 70 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: -20°C to +35°C.

- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -20°C and higher

SILICONE SEALANT



APPLICATION:

- sealing of seams and joints during installation of window and door structures;
- sealing of junctions in different building structures (canopies, sills);
- sealing of plastic and metal flange joints during plumbing works.

VASmann neutral sealant

The VASmann neutral silicone sealant is a one-component multi-purpose neutral silicone sealant. It is intended for sealing of building and construction joints, door and window frames, including metal surfaces. It is applied during exterior and interior works as a waterproof sealant, especially in the places of moist and vapor generation. It is highly adherent to different materials such as metal, glass, ceramics, porcelain, wooden surfaces, plywood sheets, rubber, plasterboard, and plastic. When cured, the sealant has the state of strong rubber. It is available in tube cartridges for special guns. Coloring: clear, white.

PROPERTIES:

- highly resistant to moist;
- antiseptic;
- shrink resistant;
- long-term sealing;
- working in hard-to-reach places;
- surface film formation time: 3 minutes.
- cure time: 12 hours;
- stretch coefficient >350%;
- intended for metal surfaces and concrete;
- application temperature range: +5ºC to +50ºC.



APPLICATION:

- sealing of seams and joints during installation of window and door structures;
- sealing of junctions in different building str uctures (canopies, sills);
- sealing of plastic and metal flange joints during plumbing works.

VASmann universal sealant

The VASmann universal silicone sealant is a one-component multi-purpose acetic silicone sealant. It is intended for sealing of building and construction joints, door and window frames. It is applied during exterior and interior works as a waterproof sealant, especially in the places of moist and vapor generation. It is highly adherent to different materials such as glass, ceramics, porcelain, wooden surfaces, plywood sheets, rubber, plasterboard, and plastic. When cured, the sealant has the state of strong rubber. It is available in tube cartridges for special guns. Coloring: clear, white.

PROPERTIES:

- highly resistant to moist;
- antiseptic;
- shrink resistant;
- long-term sealing;
- working in hard-to-reach places;
- surface film formation time: 3 minutes.
- cure time: 12 hours;
- stretch coefficient >300%;
- intended for metal surfaces and concrete;
- application temperature range: +5ºC to +50ºC.



APPLICATION:

- sealing and installation of plastic and ceramic plumbing equipment;
- sealing of seams and joints during installation of window and door structures;
- sealing of junctions in different building structures (canopies, sills);
- sealing of plastic flange joints during plumbing works.

VASmann sanitary sealant

The VASmann sanitary silicone sealant is a one-component acetic silicone sealant containing strong antiseptic agents (fungicides). It is intended for exterior and interior sealing and installation of the plumbing equipment such as bathtubs, shower cabins, and toilet bowls. The sealant can replace tap washers for plugging leaks in water and sewage systems. It can also be used for sealing of building and construction joints, door and window frames. The VASmann sanitary sealant is highly adherent to different materials such as glass, ceramics, porcelain, wooden surfaces, plywood, rubber, gypsum plasterboard, and plastic. When cured, the sealant has the state of strong rubber. It is available in tube cartridges for special guns. Coloring: clear, white.

PROPERTIES:

- highly resistant to moist:
- fungus resistant;
- shrink resistant;
- long-term sealing;
- working in hard-to-reach places
- surface film formation time: 3 minutes.
- cure time: 12 hours;
- stretch coefficient >300%;
- not intended for metal surfaces and concrete;
- application temperature range: +5ºC to +50ºC.

SPECIAL SPRAY FOAMS



APPLICATION:

- fixation of thermal insulation joints;
- fixation of thermal insulation boards of polystyrene foam;
- fixation of OSB, drywall and gypsum boards;
- fixation of light decoration and finishing elements.

14 м²

-5°C +35°C

VASmann fixfoam glue for polystyrene and plastic

The VASmann fixfoam glue for fixation of thermal insulation boards can be used at all construction stages of a modern building ranging from foundation to finishing works and preparation for commissioning. Its primary use is interior and exterior heat insulation of foundations, walls, floors and roofs in residential and public buildings and facilities. The product can be used for fixation of OSB, drywall and gypsum boards, light decoration and finishing elements. Its precise dosage creates economic efficiency, while the aerosol package ensures cleanness and convenience.

PROPERTIES:

- Insignificant post-expansion;
- Convenient application and storage;
- Time-saving and energy-saving;
- Precise and accurate application;
- Preliminary treatment time: 35 to 45 minutes (at +23°C/RH 70%);
- High heat insulation and soundproofing values.

NEW

- Weight: 880 g;
- Coloring: bright blue, light blue.
- Surface film formation time: 8 minutes;
- Preliminary preparation time (cutting): 40 minutes;
- Density: 15-25 kg/m3;
- Performance: up to 14 m2 of the insulated surface;
- Application temperature: -5 ºC to +35ºC;



NEW

APPLICATION:

- fixation of brick;
- fixation of aerated concrete;
- fixation other cellular blocks as a binder solution.

-5°C +35°C

VASmann cement block glue foam

The VASmann cement professional block glue foam is a polyurethane one-component product in a hermetic aerosol package. It is intended for construction of building structures of brick, foam, aerated concrete and other cellular blocks as a binder solution. No preliminary preparation, ready to use.
Intended for interior and exterior works, moisture-activated polymerization. No tools and tanks required for traditional dilution of solutions (except for a foam gun), no power or water consumption. Easy and quick completion (performance up to 50 running meters). No technological pauses for ripening of the solution.

Highly adherent to most materials (brick, concrete, wood, aerated concrete, metal shape, etc.).

PROPERTIES:

- Performance: 2 cubic meters (if the layer is 2.5-3 cm thick) or 16 square meters;
- Bottle temperature during application: +18 to +25ºC;
- Surrounding air temperature: -5 to +35ºC;
- Surface temperature: -5 to +35ºC;
- Bottle weight: 990 g.
- Tack-free time: 10 minutes;
- Preliminary preparation time: 50 minutes;
- Cure time: 24 hours (full mechanical loading);
- Coloring: grey;
- Working life: 12 months.



NEW

APPLICATION:

- wall insulation;
- roof insulation;
- insulation of tanks;
- insulation of pipelines;
- insulation of isothermal vans

+5°C +35°C

VASmann thermofoam spray insulator

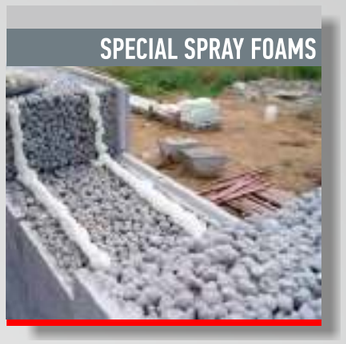
The VASmann thermofoam polyurethane spray insulator is a one-component polyurethane insulator in an aerosol package in tended for easy and quick application, having high heat insulation values of traditional materials, applied using a spraying method on any surfaces, highly adherent to most materials (brick, concrete, wood, aerated concrete, glass, metal shape, etc.). The VASmann thermofoam spray insulator has found its niche in the modern market of construction materials. Using it, you can solve any complicated thermal insulation problems, even in hard-to-reach places.

PROPERTIES:

- Bottle weight: 975g (890ml);
- Thermal conductivity, W/mK: 0.037;
- Density: 20 kg/m3;
- Application temperature: +5 to +35°C;
- Working life: 12 months;
- Pieces per carton/pallet: 12/816;
- Performance up to 2.5 m2 in case of 2cm layer thickness.

- no additional tools (except for a foam gun);
- quick cure (20 minutes between the layers, 40 minutes before mechanical tooling);
- performance up to 2.5 square meters (if 2cm thick);
- application rate: 1 square meter per 2 minutes per person;
- complete with two applicators (for vertical and horizontal surfaces).







VASmann is a well-coordinated mechanism, consisting of technological and production units. Foam is sold wholesale from warehouses located throughout Russia. We also have developed dealership directions on the territory of the CIS and the neighboring countries. The Russian-made spray foam VASmann is very in demand among the multinational segment of the company's partners. Therefore, today a new plan for the development of production and partnerships has been elaborated. The quality indicators have been significantly increased, the names and applications of the wholesale sold foam have also been expanded, and the price threshold for the cost of construction chemicals has been significantly reduced.

VASmann policy is based on the following principles:

Clients of the company are our partners, whom we help with solving professional problems: installation and sealing during construction.

Only a consistently high quality can ensure the success and prosperity of the Russian manufacturer of spray foam VASmann and customer companies.

Achieving a balanced ratio of pricing policy at the consistent quality of construction chemicals.

Our qualified personnel is a guarantee of a high-quality product, professional service during the ordering process, understanding the needs of our customers.

The enterprise functioning ultimately depends on each individual employee. High motivation, continuous training and professional development of our personnel allows us to quickly react on market changes, produce and supply high-quality spray foam, sealants, construction chemicals, thereby supporting the development of our business partners.







SEALANT

PROFESSIONAL CHEMISTRY





APPLICATION:

- **sealing of exterior joints of window units with vapor bleeding;**
- **sealing of air ducts, joints and seams for installation of seam roofs;**
- **exterior and interior sealing of any joints with the deformability of up to 15%.**

VASmann premium A acrylic sealant

The VASmann premium A acrylic sealant for exterior works is a multi-purpose acrylic sealant intended for exterior sealing of interpanel joints with the deformability of up to 15% and the exterior layer as a vapor-permeable sealant for installation of window units. It is highly adherent to concrete, aerated concrete, brick, stone, plaster, PVC, wood, metal (including tin and zinc). Due to its high thixotropy, the sealant can be applied to horizontal, vertical and inclined surfaces.

PROPERTIES:

- high water vapor transmission rate;
- possible surface painting, material color matching;
- possible application to moist surfaces;
- possible application to vertical surfaces;
- long-term sealing ability;
- specific gravity: 1450 g/m³;
- performance of works at low temperatures up to -18ºC.





APPLICATION:

- **sealing of interior joints of window units with vapor barriers installed on the side of the room.**
- **sealing of air ducts, joints and seams for installation of seam roofs;**
- **exterior and interior sealing of any joints with the deformability of up to 15%.**

VASmann premium B acrylic sealant

The VASmann premium B acrylic sealant for exterior works is a multi-purpose acrylic sealant intended for exterior sealing of interpanel joints with the deformability of up to 15% and the interior layer as a vapor-permeable sealant for installation of window units. It is highly adherent to concrete, aerated concrete, brick, stone, plaster, PVC, wood, metal (including tin and zinc). Due to its high thixotropy, the sealant can be applied to horizontal, vertical and inclined surfaces.

PROPERTIES:

- high water vapor transmission rate;
- possible surface painting, material color matching;
- possible plastering over the sealant layer;
- possible application to moist surfaces;
- possible application to vertical surfaces.
- long-term sealing ability;
- specific gravity: 1500 g/m³;
- surface film formation time: 1 hour;
- cure time: 24 hours for a 5-mm thick layer.
- performance of works at low temperatures up to -18ºC.



NEW



APPLICATION:

- **long-term sealing of expansion joints in building structures with the deformability of up to 25%;**
- **sealing of seams, cracks and voids on the exterior surfaces of buildings.**

VASmann premium polyurethane sealant

The VASmann premium two-component polyurethane sealant is a multi-purpose sealant designed for sealing, air and water intrusion protection of seams of building envelopes and panels in the buildings and facilities under construction or repair with the deformability of up to 25%. It is highly adherent to basic construction materials ranging from concrete to PVC. The sealant is supplied as a package with two components. Component 1 is a filler, white thick paste. Component 2 is a light-yellow or black thick liquid packed in plastic containers with seal covers. Homogeneous mixing of the components is required to receive the work material. When cured, the sealant becomes a rubber-like, waterproof, elastic and sound weatherproof material.

PROPERTIES:

- high moisture resistance;
- resistance to the temperatures ranging from -60ºC to +70ºC;
- possible painting and material color matching;
- possible application to vertical surfaces.
- long-term sealing;
- specific gravity: 1500 g/m³;
- cure time: 48 hours at the temperature of +20ºC;
- performance of works at low temperatures up to -15ºC.

POLYURETHANE SPRAY FOAM

PROFESSIONAL CHEMISTRY



VASmann summer 65+ spray foam

The VASmann summer 65+ professional spray foam is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the optimal temperature range from +5°C to +35°C.
The fine-pored structure ensures high thermal insulation, soundproofing and flexing resistance. It also has a classic combination of the 850 ml capacity and 65-liter final product yield.

APPLICATION:

- **installation of door and window structures;**
- **filling of cavities ad voids;**
- **filling of interpanel joints;**
- **installation of window stools.**

+5°C +35°C

PROPERTIES:
- performance: up to 65 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: +5°C to +35°C
- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at +5°C and higher



VASmann summer 70+ spray foam

The VASmann summer 70+ professional spray foam is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the optimal temperature range from +5°C to +35°C.
The fine-pored structure ensures high thermal insulation, soundproofing and flexing resistance. The increased capacity of 890 ml increases the final product yield to 70 liters per bottle.

APPLICATION:

- **installation of door and window structures;**
- **filling of cavities ad voids;**
- **filling of interpanel joints;**
- **installation of window stools.**

+5°C +35°C

PROPERTIES:
- performance: up to 70 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: +5°C to +35°C.
- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at +5°C and higher



VASmann profi 65+ spray foam

The VASmann profi 65+ professional spray foam is high-quality one-component polyurethane foam with a high adherence to most construction materials such as concrete, brick, plaster, wood, and plastic. It is designed for installation of PVC, aluminum and wooden translucent structures, facade systems, windowsills and door units within the extended temperature range from -10°C to +35°C. It also has a classic combination of the 850 ml capacity and 65-liter final product yield.

APPLICATION:

- **installation of door and window structures;**
- **filling of cavities ad voids;**
- **filling of interpanel joints;**
- **installation of window stools**

-10°C +35°C

PROPERTIES:
- performance: up to 65 liters of final product yield;
- improved adherence;
- post-expansion up to 15%;
- homogeneous polymerization;
- application temperature: -10°C to +35°C.
- increased product yield
- low post-expansion
- polymerization at minimum humidity
- fine-pored structure
- application at -10°C and higher

POLYURETHANE SPRAY FOAMS AND SEALANTS
2018-2019

