

MODERN ALUMINUM AND GLASS CONSTRUCTIONS

ENGINEERING. PRODUCTION. ASSEMBLY.



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HARWAL GROUP



ABOUT HARWAL GROUP

Our company Harwal Enterprises is a representative of the international company Harwal Group in Russia.

Founded in 1938, Harwal Group is a large manufacturing conglomerate. With companies spread across the globe, Harwal Group drives business within 40 countries across the Middle East, Africa, Europe and the USA. It currently operates from its headquarters in the UAE.

Harwal Group has 28 business units with manufacturing and sales facilities across the globe. Business segments include Building Materials, Building Systems, Electrical Cable Management systems, Switches & Sockets, Pipeline Systems, Prefab Buildings, Doors & Windows, Refrigerated Transport and Storage, Industrial Warehouses and Storage, Plastic Consumer Products, Vinyl Sheds & Fences, Packaging Materials and Furniture.

Harwal's strategy and business model is built around the principles of innovation and manufacture process optimization. With over 80 years of experience, Harwal Group Companies won the trust around the world and enabled to hold a leading position in its industries.

MISSION

To meet our objective of manufacturing innovative and high quality products, our companies lay great emphasis on affordable and easy-to-use technologies. The best customer service and support has proved that we develop partners for life. Harwal Group is constantly expanding its regional network and invites everyone to become partners of the company.

Cooperation with Harwal Group brings stability, reliability and prospects in business development. The company takes heed to the introduction of new technologies based on the latest achievements of science and technology.

28 Business Units

55 Production and trading facilties around the world

483 Project implemented worldwide

HARWAL ENTERPRISES IN RUSSIA



ABOUT COMPANY

Harwal Enterprises its main field of activity is the manufacture of products from flat glass and translucent aluminum structures.

Harwal Enterprises is located in Solnechnogorsk, 45 kilometers from MKAD, Leningradskoe Highway. The complex of industrial premises is located on the area of $13,000 \text{ m}^2$. All the workshops of our company are equipped with high-tech modern equipment.

A big team of experienced and highly qualified designers, engineers, craftsmen, operators and installers from the United Arab Emirates and Russia work together. The result of close cooperation between Harwal Group Companies gives the employees of the Russian factory the opportunity to learn from their experience and technology.

Despite the fact that Harwal Enterprises products have recently appeared on the domestic market, they are in high demand and have already received deserved recognition among Russian consumers.

The fundamental principles of Harwal Enterprises are based on quality, short execution time and an individual approach to each client. Our specialists have good knowledge of sheet glass products and translucent aluminum structures - from simple windows to entrance groups and facade systems.

We are ready to solve any architectural issues.

Harwal Enterprises offers a full range of services from design to installation:

- consultation and measurement;
- design;
- production;
- quality control;
- convenient logistics;
- installation of structures;
- warranty service.





GLASS TREATMENT / SERVICES

Industrial glass processing

Various translucent structures and products are made from glass due to its modernity, durability and versatility. Processed glass is used in the manufacture of partitions, doors, showers, showcases, stairs, floors, fences, and more.

Why do you need glass processing

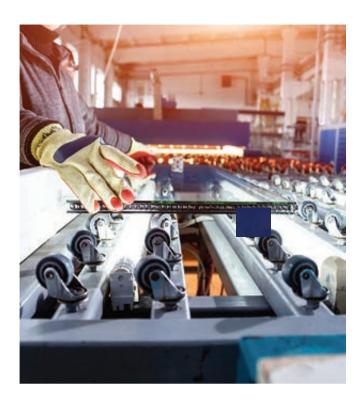
After processing, it obtains the required properties, dimensions, configuration and aesthetic appearance, which allows to manufacture household items, create interior elements as well as the production of translucent structures.

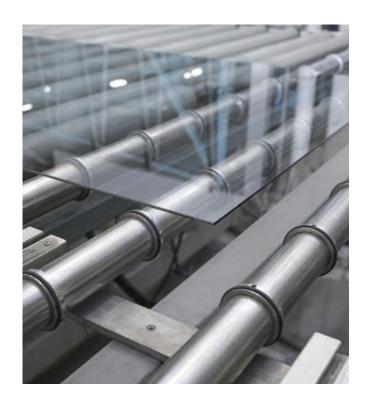
What do we offer

Harwal Enterprises provides high-quality industrial custom processing of glass. We use the glass of various types and thicknesses from leading global manufacturers, such as AGC, Pilkington, Guardian. Having employed highly qualified specialists and using modern equipment, we carry out all the production operations of the technological process.

Our advantages:

- · we execute all orders promptly;
- · high production capacity allows us to handle large orders;
- · modern equipment ensures high quality processing;
- · we carry out complex glass processing;











GLASS TREATMENT / SERVICES

GLASS CUTTING AND EDGE PROCESSING





Cutting

Industrial glass cutting is performed according to the required sizes, shapes, sketches and drawings. We use machines with numerical control (CNC). This high-precision equipment allows to perform high-quality cutting glass and prevents the occurrence of chips and cracks on the edge of the glass.

We execute monolithic glass cutting.

Edge processing

Various types of edge processing are available. It ensures the safety of subsequent work with glass and protects against possible cuts, giving the product an attractive appearance.

Edge Processing Types:

- Grinding to remove sharp corners. The ends become dull and rough.
- Polishing to give the front part transparency and smoothness.
- · Facet to polish, canted to the edge at a certain angle.

DRILLING, COUNTERSINK AND MILLING GLASS



Working holes are needed for the installation and assembly of glass structures and products. Processing glass allows to make these holes and prepare glass for further use in the manufacture of partitions, windows, doors, furniture elements and other products.

Types of glass processing:

- · Drilling holes of different diameters on a two-sided drilling machine;
- · Countersink to process edges of holes for fasteners;
- Milling to create cutouts of complex shape and holes of large diameter.



Drilling, countersink and milling of glass are carried out on modern high-precision CNC equipment which enables to create complex shapes and forms for individual orders.

Drilling is performed for ordinary glass, tempered and laminated (Triplex). Milling and countersink are available for all types of glass, except mirrors.

TEMPERING GLASS





Harwal Enterprise offers tempering of low-emissivity and multifunctional glass.

We work with ordinary, translucent and frosted sheet glass of various thicknesses (from 8 to 19 mm) from leading global manufacturers: AGC, Pilkington, Guardian. Hardening of your glass is also possible.

The advantages of tempered glass:

- · Fragments of tempered glass are not able to cause cuts;
- · After tempering, glass becomes ten times stronger than usual;
- · Increases resistance to temperature extremes.

Hardening does not change the optical properties of glass. Machining is carried out before tempering for further painting, film installation and photo printing.

STEMALIT (ENAMELED TEMPERED GLASS)





Harwal Enterprises manufactures durable enamel glass in any available color using the RAL system.

Stemalit (or enamelled glass, emalit) is tempered glass. A colored coating of baked ceramic paint is applied on the surface and makes it almost inseparable from the glass surface. After special treatment the paint is densely sintered with glass and it's impossible to remove it even due to serious mechanical effects with metal objects.

The use of enameled glass:

- · Decoration of the interior and exterior of buildings;
- · Finishing of entrance and interior doors;
- · Production of partitions and glass structures;
- · Production of furniture, floors and stairs;
- · Production of accessories for interior decoration.



Any color is available.
According to the RAL system
Other colors available
upon request.

GLASS TREATMENT / SERVICES

TRIPLEX (LAMINATED GLASS)





trosifol

Harwal Enterprises offers innovative solutions in the field of glass processing which allows to create products of various shapes and sizes, polishing the edges and figured cutting. Triplex is a durable and safety laminated glass.

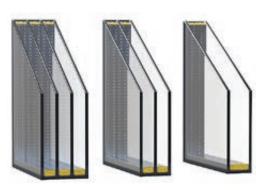
We use PVB film in the process of Triplex manufacturing, which provides a decorative laminated surface. Along with Trosifol films, we offer the world's widest range of innovative glass laminating solutions, including structural and functional interlayers for safety and protection, sound insulation and UV protection.

To provide a decorative laminated surface in Triplex production, we mainly use WIn addition to its usual multilayer, you can also order tempered Triplex. Various options of execution are available: opaque, transparent, stained/color glass.

Advantages of using Triplex glass:

- · High strength to handle all loads;
- Resistance to moisture, temperature changes and other negative factors;
- · Long service life with no quality loss;
- · Noise insulation and UV-protection;
- · Heat insulation, the ability to trap the heat indoors.

DOUBLE GLAZING





We manufacture double-glazed windows for window manufacturers and other translucent structures. We produce items consisting of 2-3 standard or additionally treated glasses that are connected to each other along the perimeter. In constructions we use spacers and sealants. They increase the strength of the modules, prevent the penetration of air in the chambers and the formation of condensate. Between the panes we install sieve-desiccants which contribute to the removal of moisture.

Glass packs of any size and shape can be ordered on demand including round, triangular, and oval shapes.

You can choose glass with a protective film or float (heat-polished), tempered or laminated Triplex, painted or special fire-resistant.

The choice of glass with processing will make it possible to impart the light-transmitting structure and therefore, it will protect the room from excessive influence of the sun's rays and provide heat and sound insulation, fire resistance and safety.

GLASS FILM INSTALLATION



Harwal Enterprises manufactures glass film installation of any glass surfaces including windows, doors or transparent interior partitions. This technology is used to improve the anti-vandal and sun-protection characteristics of glass, as well as for decorative purposes.

Benefits

Tint film dims bright sunlight and maintains a comfortable level of illumination in the room. In hot weather, it is able to absorb from 38 to 70% of solar heat, and when it's cold it reduces heat loss by 40%. In addition, the film installation technology increases the strength of glass by 6-7 times and extends the service life of the product.

At the same time, tinted glass does not require special care. The surface with a protective film is cleaned with simple cleaning detergents.

Available types of films

The plant offers a large selection of films of different types and shades for the manufacture of glass with the necessary characteristics.

Reservation films:

- · Shock-resistant in protection class K4 / A1-A3;
- \cdot Explosion-resistant protection class D1-D5.

Tinting film:

- · Sunscreen (silver, neutral);
- · Energy-saving (greenish, greyish-green, blue);
- · Opaque frosted (black, white).

Decorative films:

- · Mat white, opaque silver;
- · White with a geometric pattern;
- · Translucent.

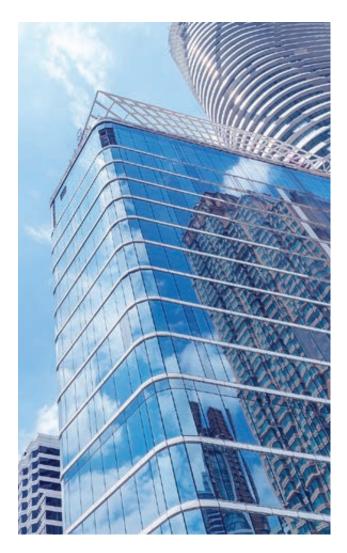






GLASS PROCESSING / APPLICATIONS

CURTAIN WALL

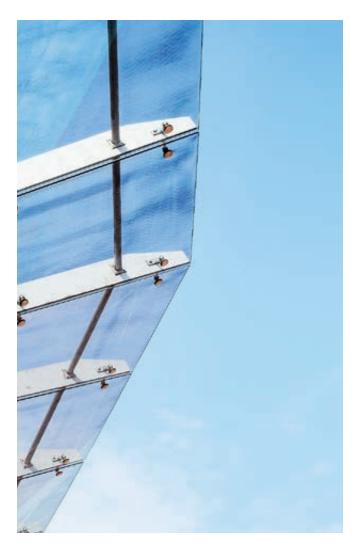


Construction companies are increasingly using facade glazing at the construction stage or in the overhaul of buildings. Different types of glass decorate the facades of modern residential buildings, business centers, shopping malls, administrative or public facilities. The glass facade looks spectacular and visually increases the space of the room. It brings more natural light and saves energy.



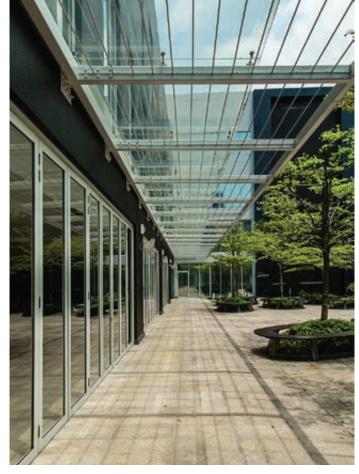


CANOPIES



To complete the entrance with a glass canopy or visor is effective and practical. These constructions perform decorative and protective functions. They prevent the penetration of bright light, precipitation and wind. Canopies are made of Triplex or tempered glass. These durable and safe materials do not corrode and are resistant to the temperature changes. Transparent, colored and tinted types of glass are available in production.





GLASS PROCESSING / APPLICATIONS

FENCING & GATES



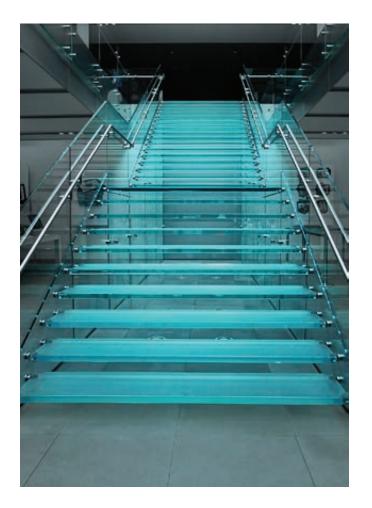
Glass is successfully used in the manufacture of fences today. There are several reasons for this: a visual increase in space, safety and a modern spectacular look. Glass fences are used for bathrooms and shower rooms, on the terrace and balcony. Besides, they are often equipped with vehicles, escalators, roofs. The main types of glass used are tempered and triplex.







STAIRS & BALUSTRADE



Glass stairs fit easily into almost any interior, bringing the room more lightness and originality. They are quite durable as they are made of Triplex and tempered glass. It especially looks advantageous in the premises decorated in the style of hi-tech or minimalism. Glass stairs are chosen not only for private houses but also for exhibition complexes, premises for commerce and offices.





GLASS PROCESSING / APPLICATIONS

OFFICE PARTITION



The construction of glass partitions in office space does not require much time and financial costs. As a rule, tempered glass is used in the manufacture. It is characterized by increased strength and durability against large loads. Various types of glass and processing technology are available. The use of matte and tinted decorative films is allowed.





STORE FACADES



It is advised to use clear glass for shop windows in shops and retail outlets that does not impede the effective display of goods. The glass constructions of the shop windows also make it possible to visually expand the space of the sales area. Triplex or red-hot glass are used in production. This glass features a high indicator of strength and safety.





Aluminum is one of the lightest materials. It's almost three times lighter than iron but at the same time durable, ductile and resistant to corrosion and deformation. It does not respond to aggressive factors such as ultraviolet radiation, gases, oils and acids. Due to its qualities, this material is suits best for the manufacture of profiles of translucent structures.

Advantages of the aluminum profile:

- · Small weight;
- · High strength;
- · Resistance to temperature drop;
- · Ecological compatibility;
- · Sound insulation;
- · Long-term operation (up to 80 years and more).

What do we offer

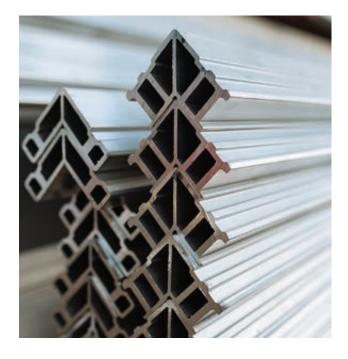
Harwal Enterprises performs design, manufacture and installation of translucent structures.

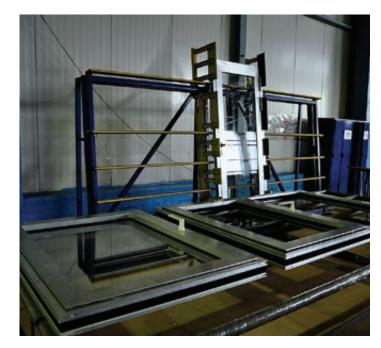
Translucent constructions are double-glazed windows or plates made of glass connected by aluminum profiles. Depending on the scope of the design, they have different sizes, configuration and degree of transparency.

We produce translucent structures from the aluminum profile of well-known domestic and foreign companies such as Realit, Sial, Tatprof, SCHUECO, Alutech and others.

Our advantages:

- · we execute all orders promptly;
- · high production capacity allows us to handle large orders;
- · modern equipment ensures high quality.











CURTAIN WALL / SPIDER SYSTEM



Initially called as a planar, this Spider facade system had fasteners that created the effect of cobwebs on the facade, and therefore, a more popular name appeared (from the English. Spider - spider).

The facade system Spider is a frameless glazing section, in which glass modules are attached to the supporting structures using spatial brackets-spiders, made of alloy steel. Spiders are attached to the carrier using special precast elements.

Spider glazing is practical, reliable and has high light transmission properties. At Harwal Enterprises you can order the production of structural elements and a complete installation of the system.

Benefits

- · Affordable variety of shapes and sizes of facades;
- · Relatively small weight with a large area of glass panels;
- Fasteners are installed from the inside of the system and are almost imperceptible;
- · Creates a smooth, visually monolithic surface of the facade;
- · Unlimited service life.





CURTAIN WALL / RACK-MOUNT AND CROSSBAR SYSTEMS



Post-bar facade glazing is the most common variant of stained glass glazing facades. It is a vertical and horizontal aluminum profiles. The space between is filled with single glass in a cold facade or a multi-layered glass unit in a warm one.

Benefits

- · Convenience and quick installation of the frame;
- Reduced material costs. For one profile type, the racks and lintels are used, for the other without a residue;
- · Large selection of fasteners and additional elements and glasses;
- Energy efficiency due to the light transmitting properties of the structure.

At Harwal Enterprises, you can order the production of elements for the classic one-piece stained-glass glazing of the facade as well as combined systems that allow the use of both double-glazed windows and various decorative facade panels. We carry out full installation of post-bar facade systems.





ALUMINIUM WINDOWS SYSTEMS



Aluminum profile windows are one of the most spectacular and practical elements of the facade of an industrial, commercial or residential building. We produce modern window systems. At production, we use high-quality aluminum profiles, glass and components from certified manufacturers and suppliers.

Window systems made of aluminum have a wide range of finishes and designs, have soundproofing and heat preservation properties.

Available of window systems:

- ·Swing
- ·Sliding
- Folding



Any color is available. According to the RAL system

Coloring of aluminum windows on the RAL system is available.















ALUMINIUM DOORS SYSTEMS



We carry out the entire cycle of work, starting from the development of the project of door systems from aluminum profiles on customer's demand, to the creation of the finished product and its installation, using the wide possibilities of our own production base.

Door systems made of aluminum have a wide range of finishes and designs, have great sound insulation properties, heat preservation and dust protection.

Available door systems:

- ·Swing
- · Rotating
- · Sliding
- · Parallel sliding door

Door systems options:

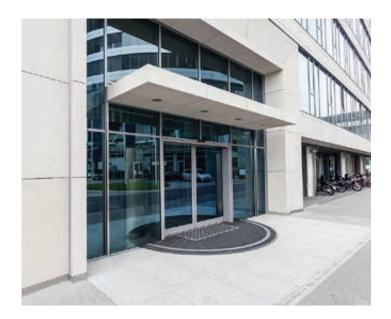
- \cdot Mechanical
- $\cdot \, \mathsf{Automatic}$



Any color is available. According to the RAL system

Coloring of aluminum doors on the RAL system is available.









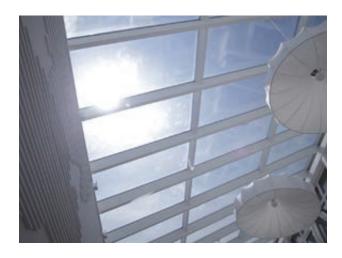








SKYLIGHT DOME



We accept orders for the production and installation of opening and deaf skylight domes of different configurations.

All kind of roofs, including inclined could be installed. It allows to increase the natural lighting of the room, provides additional ventilation options and prevents smoke during a fire.

At Harwal Enterprises, you can order flat, domed, pyramidal, and hexagonal skylights. Technical capabilities allow us to accept applications for uniquely designed structures designed for openings of complex architectural forms.

In production, we use tempered glass or triplex, special aluminum profiles and reliable sealants.



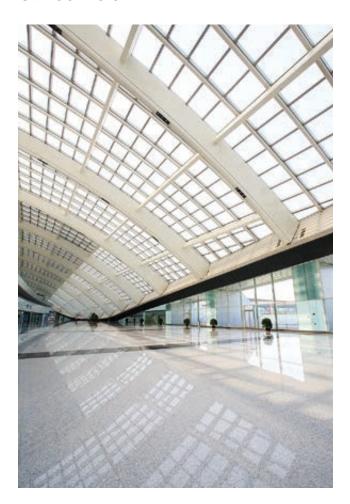


Any color is available. According to the RAL system

Coloring of aluminum profiles on the system RAL.



GLASS ROOF



The arrangement of the roof is one of the application areas of aluminum translucent structures. Due to their light transmission, the rooms are maximally supplied with sunlight that helps to reduce energy costs.

Light and durable aluminum profile is a basis of translucent roofs. We use only single-chamber double-glazed windows since they have less weight. For safe operation and protection against mechanical damage, two types of impact-resistant glass are installed in the glazing: tempered and triplex.

Translucent aluminum roofs are designed by us and manufactured taking into account all the features of your object.





BALCONY FENCING AND STAIR RAILING



We carry out the design, production and installation of balcony railings and stair railing of glass and aluminum profiles. They are suitable for installation in country cottages, offices and shopping centers and on production sites.

Products feature durability, long service life, resistance to corrosion and easy care. They easily fit into the interiors, create a feeling of lightness and weightlessness.

The following options are available:

- · Type of aluminum profile: round, oval, square;
- · Color of aluminum profile (color in any color according to the RAL system);
- · Option of filling the railing vertical or horizontal;
- · Type of glass: tempered or laminated triplex.



Any color is available.
According to the RAL system

Stair railing coloring.

OFFICE PARTITIONS



We design, manufacture and install stationary and mobile glazed partitions from aluminum profiles. Great solution for zoning of space and functional division of premises in public, administrative and commercial buildings, exhibition halls and other purposes.

We carry out orders for the production of partitions of any size, shape and level of complexity. In the manufacture, we use thicker tempered to increase strength glass. Triplex can also be used to improve safety.

Different types of glass are available - transparent, opaque, tinted. The aluminum profile can be painted on customer's demand in any color according to the RAL system.



Any color is available. According to the RAL system

Coloring of aluminum profiles on the system RAL.

WINTER GARDENS



The construction of the winter garden is carried out on customer's demand or the specialists of the design bureau of Harwal Enterprises. Our specialists will develop it taking into account all your wishes, in the strict accordance with technical standards and norms.

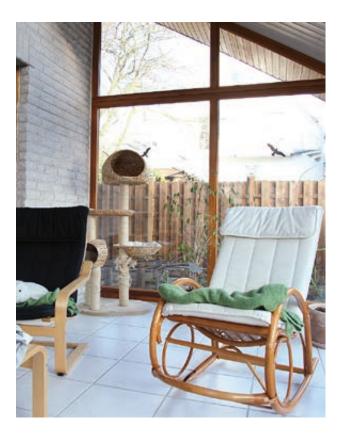
For the production of winter gardens we use double-glazed windows that combine heat and sound insulation properties and do not create a greenhouse effect. Different types of glasses are available - transparent, opaque, tinted. Tempered glass windows are used on the roofing parts of the construction.

Aluminum profiles are the basis of the design. They are fire protected, resistant to corrosion, safe for health and can be painted at any customer's request in any color according to the RAL system.



Any color is available. According to the RAL system

Coloring of aluminum profiles on the system RAL.





DESIGN



Harwal Enterprises accepts orders for the design of any t ranslucent structures. The work is carried out by highly qualified design engineers of the design bureau of the factory.

Our employees have relevant education along with rich practical experience and are well versed in construction technologies. This allows the design team to easily solve problems of different levels of complexity, to be responsible for the quality of the projects carried out and guarantee compliance with the requirements and standards.

At the factory, you can order the design of any translucent structures from glazed facades, roofs, window and door systems, to balcony and stair railings.

We comply with the terms of the contracts that allows customers to successfully execute a project without defects and omissions in the stipulated period.

PRODUCTION



Harwal Enterprises has its own production facilities.

Modern high-tech equipment is installed and used in the workshops of the factory. It allows us to manufacture aluminum translucent structures for projects of any type and complexity.

In production, we use materials and components from leading foreign and domestic suppliers. Thanks to the experience of the production staff and high qualification of the engineering and technical staff, we can guarantee the high quality of execution of each order.

INSTALLATION



Harwal Enterprises installs translucent aluminum structures. Technical capabilities allow the plant specialists to perform work quickly and efficiently, regardless of the season and weather conditions.

Installation is carried out in strict accordance with technological standards. Due to this, you can count on the fact that the construction will be installed correctly and will serve the operational period declared by the manufacturer.

WARRANTY SERVICE



Harwal Enterprises provides a long-term warranty and provides warranty service for all designs supplied by us. The warranty period depends on the product features and ranges from 5 to 10 years. We are fully confident of the quality of products.

Warranty service includes:

- Elimination of faults and hidden structural defects. In case you find them during the warranty period.
- Repair and replacement of parts and components. In case they fail to operate during the warranty period.

Important information:

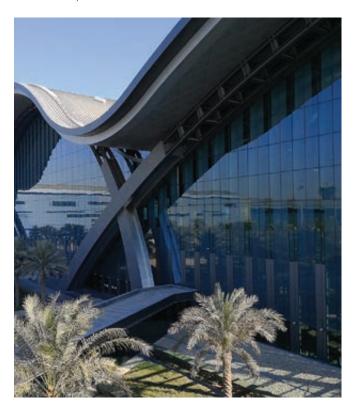
We recognize customer claims and eliminate shortcomings after a specialist of the manufacturing company inspects the product, draws up and issues an official conclusion regarding the damage or broken components.

Refusal to perform warranty service is provided in the following cases:

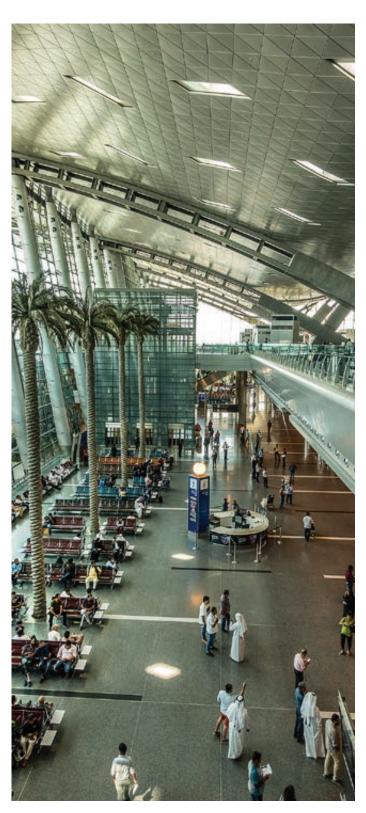
- · independent changes in the design;
- · self-replacement of components;
- · violation of standard operating conditions;
- $\boldsymbol{\cdot}$ damage of the structure which occurred as a result of physical impact.

INTERNATIONAL

- · Hamad airport, Doha, Qatar · Grand Al Saha Hotel, Saudi Arabia
- · Shopping Center, Bishkek
- Hotel-type apartments with a sports complex and a dormitory (Federal State Budgetary Educational Institution) named after Plekhanov G.I.







Hamad airport, Doha, Qatar

PUBLIC

- · Children's zoo (Moscow zoo department)
- $\cdot \, \mathsf{Residential} \, \, \mathsf{Building} \,$
- · Warehouse complex, Chekhov



Miras Residentail Building



Mirdif Hills - Shapoorji Pllonji



Resdi Residentail Building



Children's zoo (Moscow zoo department)



Seeraj Tower



Seeraj Tower



Inflight Dubai

PRIVATE

- · Dubai Properties, Villa Arabella
- · Project Villa 210, Sharurjee Pllonji
- · Project Villa 721, Al Suruh
- · Project Private Villa, Rublevka
- · Project Villa 404, Mudoon Sharurjee Pllonji



Dubai Properties Villa - Arabella



Project Villa 721 - Al Suruh



Project Private Villa - Rublevka



Project Villa 210 - Sharurjee Pllonji



Project Villa 721 - Al Suruh



Project Villa 721 - Al Suruh



Project Villa 721 - Al Suruh



Project Villa 721 - Al Suruh



Project Villa 721 - Al Suruh



Project Villa 404 - Mudoon Sharurjee Pllonji













ALUMINUM COMPOSITE PANELS

Fire Redardant Aluminum Composite panels (non-combustible panels) from Alumpex FR, A2 composite

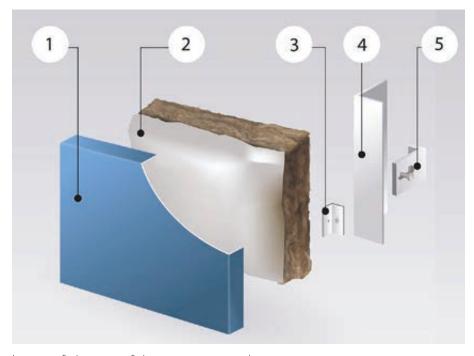
Aluminum non-flammable panels (fire resistant panels) made of Alupex composite, a complex structure consisting of two aluminum sheets, a plastic or mineral compound filler. Non-toxic and non-flammable compound, possessing such physicochemical properties that make it possible, in terms of their flammability parameters, to use the material on the facades of buildings, even with the highest safety requirements.

Where are fire redardant composite panels used.

It should be noted that composite non-combustible panels are a special type of facing facade material. These panels are technically more advanced, and therefore, more expensive than other panels. But we must understand that this is a fundamentally different facing material than that common on the market. Such panels are used, due to the rather specific fire-resistant properties (which is discussed below), as facade cladding of facades of all classes of structural and functional fire safety, as well as special-purpose objects:

- · high-rise buildings;
- · residential apartment buildings;
- buildings and structures of increased fire danger(for example: gas stations, facilities; transportation of liquid combustible materials, airports);
- · objects of mass events (stadiums, shopping centers, entertainment centers);
- · slopes of window openings;
- · as fireproof cuts of mounted ventilated facades.

Alumpex fire-resistant panels are tested and recommended for finishing facades of high-rise buildings, when it is permissible to use cladding materials on building facades only with maximum fire resistance of panels.



Layout of elements of the composite panels

- 1. Alumpex A2 / FR
- 2. Mineral wood insulation
- 3. Aluminium panel holder bracket
- 4. Aluminium runner
- 5. Steel / Aluminium bracket



Panel assembly



Dubai Sports City



Evaluation of fire propagation characteristics of Alumpex FR, A2



Test Specimen at 5 minute



Test Specimen at 30 minute



Test Specimen after 10 minutes at the end of fire test





STAINLESS STEEL STRUCTURES / RAILING

STAINLESS STEEL RAILING



Stainless steel railings are mainly used in private apartments, offices and shopping centers, public and industrial buildings. These railings are reliable and durable, do not require special care, look great in the interiors of different styles.

We design, manufacture and install stainless steel stair railings. Construction companies may be offered to complete and manufacture fences without prior installation.

The following options are available:

- · Profile view: round, oval, square;
- · Option of filling the railing vertical or horizontal;
- Railing color metal or paint in any color according to the RAL system;
- · Type of glass: tempered or laminated triplex.



Any color is available. According to the RAL system

Stainless steel railing coloring according to RAL system.



MOBILE SECURITY POST





Mobile security posts in the form of ready-made modules are used to house security personnel directly at the workplace. They ensure a sufficient level of visibility and protection from environmental factors. Despite the compactness, the room can accommodate everything you need for a comfortable service.

High functionality, mobility, compactness, lightness of the overall design makes it convenient to transport. The guard post has a solid metal frame that protects it from deformation during the entire period of operation.

Security posts are used for checkpoints at sites:

- Medical, sanatorium and resort facilities and recreation centers;
- · Administrative, office and production areas;
- · Construction and sports facilities;
- · Cottage and cottage settlements.

In Harwal Enterprises, you can order security posts of different configurations: semicircular, rectangular (type of cab-PR), hexagonal (type of cab-SD). There are options for the execution of posts - with or without a bathroom.

Benefits:

- · Presentable appearance;
- · Ease and mobility of transportation;
- · Compactness and spaciousness;
- · Strength and long life of the structure;
- · Fire resistance of the materials;
- · Drainage and tightness;
- · Heat-efficient insulation with panels providing insulation from hot and cold climates.

Completed objects:

- Security post at the Embassy of the Republic of Armenia in Abu Dhabi.
- · Security post in a Residential complex Marina in Dubai.
- · Security post in front of the Business Center in Dubai.
- · Security post at a Military base in Kuwait.
- · Security post in the Embassy area in Abu Dhabi.

METAL CONSTRUCTIONS / CONTAINER RECONSTRUCTION

CONTAINER OFFICE RE-EQUIPMENT



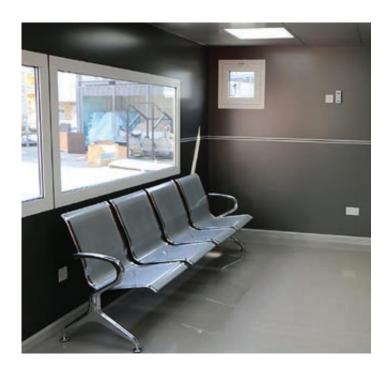
Converted container block is an affordable and practical option for organizing residential, business, commercial or office space. Compactness, mobility and ease of construction makes it convenient to transport.

In the case of office organization, refurbishment work includes not only ensuring the functional reliability of the finished structure but also developing a model for the internal arrangement of the module. A container or complex of several container blocks is equipped with windows, doors with shut-off elements and a modern ventilation system.

As a basis for mobile premises, we use ready-made factory containers produced in accordance with the current GOST standard and Construction Codes and Regulations. The dimensions of the rooms depend on the type of container chosen, either 6 or 12 m.

This type of office provides comfortable conditions of work for people, both at ultra-low temperatures (up to -50 C), and in conditions of high thermal performance (up to +40).

The metal frame design prevents deformation during operation. Outside, the finished module will have the form of a standard transport unit or on customer's demand, may be finished with special materials.



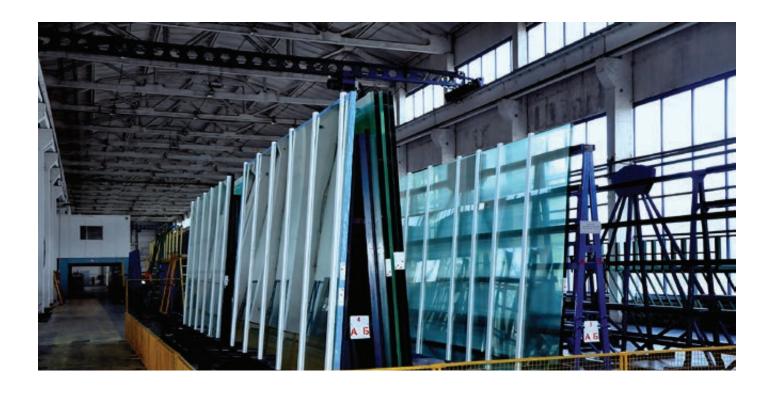




MANUFACTURING CAPABILITIES

Large production capacity allows us in short time to execute large orders for processing, decorating and manufacturing all kinds of glass products.

We use reliable, constantly modernized equipment from leading experts in this field and successfully introduce modern technologies that allows us to carry out the most complex glass processing with high quality and on time.





The modern high-tech equipment used at the plant ensures high quality of products and a significant increase in its volumes that allows us to execute large orders.

We timely modernize equipment and increase productivity. At production, we use new technologies and successfully introduce them to produce aluminum translucent structures.





QUALITY CONTROL / QUALITY CERTIFICATES

All Harwal Enterprises products underwent laboratory control for compliance with technical specifications, modern standards, and quality and safety requirements.

Careful multistage quality control is carried out at all stages of production. Specialists of the company strictly monitor compliance with production standards since even the slightest deviation in the process can lead to defects and defects in the final product.

The quality of Harwal Enterprises products is certified. Testing, multi-stage quality control at all stages of production, cooperation with the best suppliers of raw materials and equipment as well as extensive experience in the production of translucent structures and glass processing allows us to guarantee a high level of quality, reliability and safety of products that meet all modern requirements and standards.













OUR PARTNERS / FOREIGN AND RUSSIAN PARTNERS

Harwal Enterprises uses modern technologies, materials and equipment from leading experts. We are proud to have our partners and suppliers who are large international companies, world market leaders in their respective industries.

For the manufacture of its products, we choose only high-quality materials, accessories and components. The quality is confirmed by certificates.

We are always open for cooperation. Our company strives to keep updated of all innovations in the field of translucent structures and glass processing technologies. Cooperation with the best suppliers of raw materials and equipment allows us to guarantee high reliability and safety of products.

EQUIPMENT

Bystronic















GLAZING









PVB FILM



FITTINGS







ALUMINUM PROFILES









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