



ROLLER SHUTTER SYSTEMS
symbol of comfort and safety



ALUTECH Group has been producing roller shutter systems for more than 15 years. The goal, that we have always been working hard to achieve, is that each client who buys ALUTECH systems at a moderate price gains more than just quality and safety, ease of use and a long-term guarantee ...

It is very important for us that our clients gain all the advantages of ALUTECH systems as a whole: excellent functionality and fail-safe working capacity, intelligent and aesthetic beauty. Creating a product which deserves your attention means incorporating good design, functionality and a sense of quality which is reflected throughout the full range of ALUTECH products and being competitively priced we ensure all our clients are supported in the best way possible.

Today ALUTECH roller shutter systems are delivered to 65 countries of the world. They are installed to millions of buildings which they reliably protect. ALUTECH roller shutters correspond to the highest quality standards. We are sure that you will recognise ALUTECH products for their true worth. These products will make your life more comfortable and the world around you – safer and beautiful.

ALUTECH wishes you prosperity and comfort!

Andrei Hameza,
Director of ALUTECH Inc.LLC,
the enterprise that produces profiles
and components for roller shutter systems.



Purpose and
functions of roller
shutters/roller blinds



Break-in protection

Protection of your property, windows and doors.

MAXIMUM PROTECTION



Weather protection

Efficient protection of windows from rain, snow, hail, wind and dust. No objects caught up by the wind will damage your windows.



Protection from prying eyes

Reliable protection of your private life and an opportunity to stay in solitude in your own house.



Purpose and functions of roller shutters/roller blinds



Protection from the sun

Comfortable cool atmosphere on hot summer days; protection of curtains, furniture and carpets from colour fading under the influence of the sun's ultraviolet rays.

MAXIMUM COMFORT



Power saving

Efficient use of air-conditioners and heating systems due to the additional insulation and heat saving in winter and cool saving in summer.

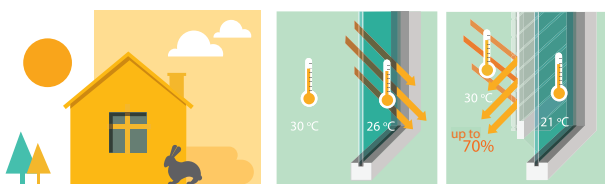


Protection from noise

Reduction in unwanted noise levels for more efficient work, relaxation and uninterrupted rest.

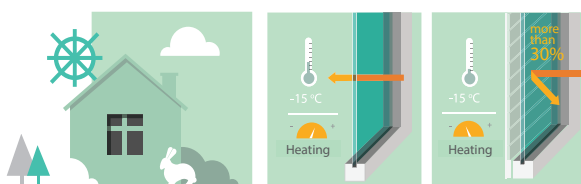


Energy saving



Sun protection

- + Lower energy consumption.
- + In summer the temperature inside can be reduced by 5° and more



Warm in winter

- + Roller shutters reduce heat losses through windows by 30% and more.

MAXIMUM SAVING



Energy saving has become a topical issue today. We have to use heaters to warm houses and offices in winter and air conditioners to create pleasant cool atmosphere in summer.

Windows are one of the main sources of energy losses. Through windows the heat of the home escapes in winter, and in summer windows let in sun rays that heat the room.

Roller shutters help to reduce the heat transmission through windows in winter, due to the additional air trapped between a window and a roller shutter curtain.

In summer roller shutters prevent sun rays from penetration through the glass into a room. That helps to reduce energy costs.



ALUMINIUM ROLLER SHUTTERS:

- corrosion resistant and weather resistant;
- strong, rigid and safe;
- ecologically clean

High quality of ALUTECH roller shutter systems is confirmed by international certificates.

- The QUALICOAT certificate (Zurich, Switzerland) confirms high quality and environmental safety of the profiles and the compliance of the extruded profiles coating with the European standards.

TIME-PROVED QUALITY



- Corrosion resistance of the extruded profiles coating is confirmed by the SEASIDE certificate. That guarantees long-term durability of roller shutters in the coastal zones with high concentration of salt and iodine in the air.
- The high quality of anodized extruded profile coatings is confirmed by a certificate of the international organization QUALANOD (Zurich, Switzerland).
- Designing, development, production, installation and service are confirmed by the conformance certificate ISO 9001:2008 (TUV Rheinland InterCert, Brussels).
- Test report of BASF Coating GmbH (Münster, Germany) testifies excellent coating quality of the aluminium strip, used to produce profiles with foam insulation, and full compliance of the finished coating process with the European standards.

ELEGANT LINES

Roller shutters made of roll formed profiles are ideal for both domestic and office environments



Roll formed roller shutter profiles

Roll formed profiles are made of high-quality aluminium lath with two-layer coating, with standard or high density foam insulation. Profiles have good heat insulating and sound-proofing properties. Polyurethane foam does not contain any hydrocarbon or chlorofluorocarbon (CFC) compounds.

The coating of profiles is:

- abrasion and scratch resistant;
- stretching, cracking and layering resistant
- UV resistant – the coating retains the colour under the intense solar radiation;
- corrosion resistant; that is especially important when roller shutters are used in coastal zones and urban environment.

Roll formed profiles can be either perforated or non-perforated. Perforated profiles have narrow openings along the joint section of the laths. Scattered light that penetrates through the openings creates pleasant shade.

**Wide colour range –
more than 30 colours**



ELEGANT
PROTECTION




Extruded roller shutter profiles

Extruded profiles are made from ingots of aluminium using extrusion technology forcing molten aluminium through special dies to produce the required shape and sizes of profiles. Roller shutters made out of these profiles are highly resistant to break-in attempts due to a central internal stiffening rib and enhanced thickness of the profile walls (1-1,5mm).

Extruded profiles incorporate guaranteed high strength and anti-corrosion properties due to the high quality of the raw materials (primary aluminium) that is used to produce extruded profiles together with quality powder coating.

ALUTECH roller shutters conform to European safety requirements EN13659.



Roller shutters made of extruded profiles are an ideal solution for offices, banks and shops



Reliable wind protection

Sea, mountains and plains... Each region has its own particular climate, air temperature, ambience and wind – from a gentle breeze to a storm.

Objects collected by strong winds can damage glass of windows or doors.

The best way to protect windows and doors from the ravages of nature is to install roller shutter systems.



COMFORT AT ANY WEATHER

Wind force vary in different regions, thats why it's very important to choose the right roller shutter profiles. Roller shutters should not only protect the windows but should remain stable at any weather.

ALUTECH roller shutter profiles are tested for wind resistance according to EN13659 and can guarantee safety of your property.

The test results confirm high resistance of the roller shutter curtains to the wind forces in all wind zones. A wide range of ALUTECH roller shutter profiles make it possible to select the correct roller shutters depending on wind exposure and shutter opening sizes.



Front-mounted shutter boxes

Shutter box 45°

SB45 aluminium, roll formed
SB-P/45E aluminium, extruded



Shutter box 20°

SB20 aluminium, roll formed
SB-P/20E aluminium, extruded



PERFECTION AND DIVERSITY OF SHUTTER BOXES



A wide range of ALUTECH shutter boxes – round, quarter-round, 20°, 45° - allows installing roller shutter systems in buildings of any architectural style. Shutter boxes 20° and 45° are a perfect choice for the buildings of strict geometrical shape. Round and quarter-round shutter boxes will emphasize the lines, smoothness and the harmony of the facade elements

Shutter box round

SB-R aluminium, roll formed
SB-P/RE aluminium, extruded



Shutter box quarter-round

SB-QR aluminium, roll formed
SB-P/QRE aluminium, extruded



IN HARMONY WITH ANY STYLE

The surface of the shutter box is plastered and painted thus merging in with the whole surrounding wall surfaces.





Built-in roller shutters

Roller shutters with built-in shutter box are mounted onto the window and installed in the opening together with the window.

A built-in shutter box SB-I is an “invisible” shutter box that is hidden into the window or door opening. Due to the special system of mounting shutter box is hidden inside the opening, and the whole roller shutter system will match to any building: historical urban quarters, offices in hi-tech style, houses and other buildings.

A wide variety of roller shutter curtain colours guarantees a unique and individual solution.

Built-in shutter box SB-I/m

Aluminium.
5 sizes — from 137 up to 205mm.





Colour solutions

A wide colour range of profiles and components for ALUTECH roller shutter systems includes more than 30 colours for roll formed profiles, 19 colours for extruded profiles and makes possible diverse combinations of roller shutters and frontages. Depending on their colour, roller shutter systems can either merge with the frontage or serve as a bright element creating original and unique solutions.

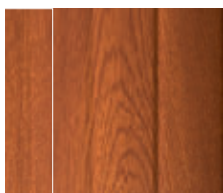
COLOUR IS IMPORTANT



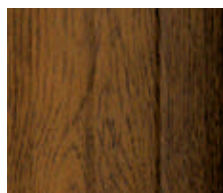
Roller shutters in four colours “wood effect” – nut, golden and irish oak, black cherry



39
Irish oak



19
Golden oak



59
Nut



49
Black cherry

The best choice for houses build of wooden beams, stone, red bricks or other materials.

EASE AND
COMFORT





Roller shutter control systems

Manual control

A wide range of drives and accessories for roller shutter systems operation gives possibilities to choose either a cost-effective variant – manual drives, or more comfortable and modern solutions - multi-functional electric drives with intelligent control systems.

Manual drives are more suited to buildings with several windows and small openings.

ALUTECH offers a wide range of hand operators:

- a strap inertial operator
(lifting capacity up to 15 kg)
- a rope inertial operator
(lifting capacity up to 15 kg)
- a rope gear operator
(lifting capacity up to 20 kg)
- a crank operator
(lifting capacity up to 35 kg)
- a cord operator
(lifting capacity up to 80 kg)
- an assist and push-up spring
(lifting capacity from 6 up to 80 kg)



A strap inertial operator



A crank operator



A rope gear operator



An assist and push-up spring



Automatic roller shutter control

Automatic control is ideal for spacious houses and offices with a large number of windows. With a single press of a button you can open or close one or several roller shutters all at one time. Automatic operation ease of use, safety and comfort!



COMFORT AND SAFETY

The range of automatic smart controllers include a choice of electric drives and control elements:

- electric drives with built-in radio control, an obstacle detection system, a system of manual emergency opening to operate a roller shutter during power failures;
- control elements – from standard switches to smart control systems: programmable timers; light and heat, wind and rain sensors

CARE FOR YOU
AND YOUR FAMILY





Automatic roller shutter control

A wide range of automatic devices for the operation of roller shutters allowing easy operation

Wired Systems

This is a simple and reliable system for the operation of roller shutters with the help of a wall-mounted switch or an electronic key switch. This provides improved safety and reduces installation time.

Radio remote control systems

Operation of roller shutters by remote control. A range of devices includes mini-transmitters (key chain remote controls), portable multi-channel remotes with additional wall mounting clips, wall mounted remotes with programmed timer to set time for closing/opening of shutters.

- **Group control**

Save time on opening/closing of each roller shutter. The remote allows the user to control one shutter only, or a group of shutters in the room or in the whole house.

- **Automatic triggering**

Remote-timer or light sensor provide automatic shutter closing at night and opening in the morning.

- **Quick control**

Mini-transmitter on a key chain with keys enables to quickly close shutters directly from the car upon departure.

ROLLER SHUTTER PROFILES

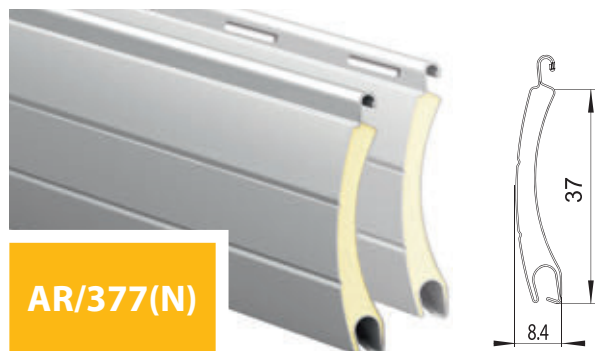
Roll formed profiles

Profiles have been tested for wind resistance on a special test wall according to EN13659

Roll formed profiles can be either perforated or non-perforated.

Extruded profiles

Profiles have been tested for wind resistance on a special test wall according to EN13659



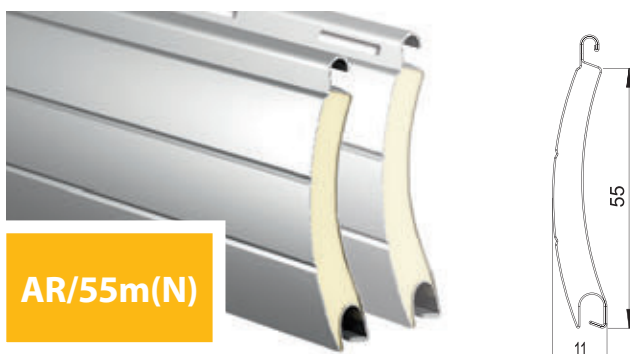
AR/377(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	3,0	2,7	2,4	2,0	1,8
Max curtain surface area, m ²	6,5	6,0	5,3	4,5	4,0



AR/41(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	3,2	3,0	2,6	2,2	2,0
Max curtain surface area, m ²	9,7	9,0	7,7	6,6	5,8



AR/55m(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	4,5	3,9	3,4	2,9	2,4
Max curtain surface area, m ²	13,4	11,7	10,1	8,6	7,3

* according to EN13659



AER42

Classes of wind load resistance*	1
Max curtain width, m	2,5
Max curtain surface area, m ²	6,0



**AER44m/S
AER44/S**

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	4,3/ 4,3	3,9/ 4,0	3,4/ 3,4	2,8/ 2,8	2,4/ 2,5
Max curtain surface area, m ²	12,8/ 12,8	11,6/ 11,9	10,1/ 10,1	8,3/ 8,4	7,1/ 7,4



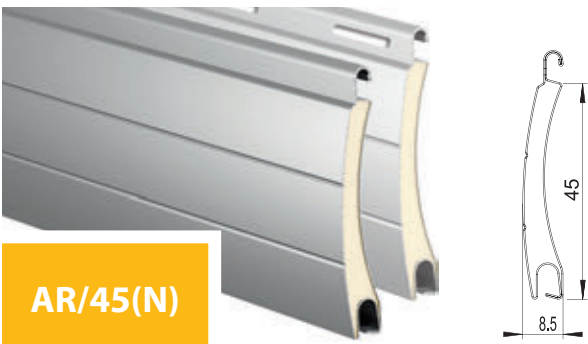
AR/39(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	3,0	2,8	2,4	2,1	1,8
Max curtain surface area, m ²	9,1	8,5	7,3	6,3	5,5



**AR/40(N)
ARH/40(N)**

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	4,0/4,4	3,7/3,8	3,3/3,4	2,6/2,7	2,3/2,4
Max curtain surface area, m ²	12,1/13,2	11,0/11,5	9,8/10,1	7,6/8,1	6,7/7,1



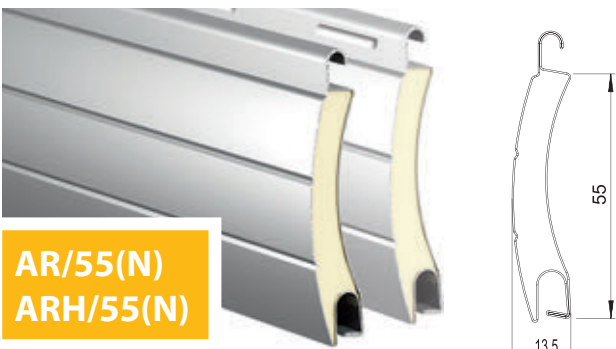
AR/45(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	3,4	3,1	2,6	2,3	2,0
Max curtain surface area, m ²	10,2	9,4	7,9	6,8	6,0



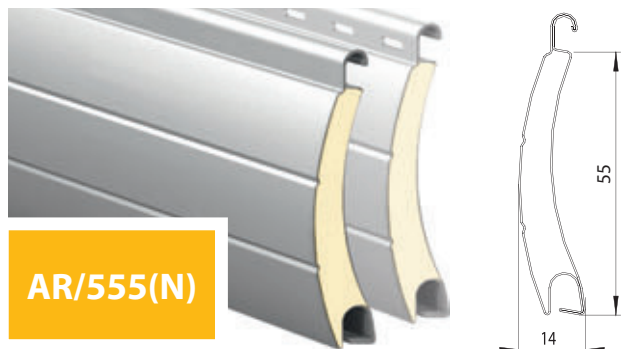
AR/52(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	4,8	4,2	3,7	3,1	2,7
Max curtain surface area, m ²	12,5	11,0	9,5	8,0	6,9



**AR/55(N)
ARH/55(N)**

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	5,0/5,5	4,4/5,3	3,8/4,6	3,2/3,9	2,8/3,2
Max curtain surface area, m ²	12,4/13,8	10,9/13,1	9,4/11,6	8,1/9,7	7,0/8,0



AR/555(N)

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	5,1	4,5	4,1	3,3	2,9
Max curtain surface area, m ²	12,8	11,3	10,2	8,3	7,3



AER55m/S

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	5,7	5,6	5,0	3,9	3,2
Max curtain surface area, m ²	14,2	13,9	12,4	9,8	8,1



AER55/S

Classes of wind load resistance*	1	2	3	4	5
Max curtain width, m	6,0	5,6	5,3	4,6	3,9
Max curtain surface area, m ²	15,0	14,1	13,3	11,4	9,7

MOUNTING TYPES

ROLLER SHUTTERS WITH SHUTTER BOXES SB45°, SB20°, ROUND AND QUATER-ROUND

ALUTECH offers different types of roller shutter systems mounting, depending on the architecture of a building frontage. Roller shutters can be installed either within window/door openings or on the face of the openings. They also can be mounted either inside or outside.

Front mounting

A roller shutter box is installed on the frontage or room wall. Such mounting enables to use a light visible area of the window to the maximum.



Built-in mounting

A roller shutter box is located inside the opening. One of the advantages of the built-in mounting is the absence of any raised roller shutter elements on the frontage.

Such mounting type enables installation of the roller shutters in the buildings of different architectural styles. But with this type of mounting the window area is partially reduced by the shutter box.



Combined mounting with the shutter box outside

A roller shutter box is located in the recess of the opening. This type of mounting combines the advantages of the front and built-in mounting – maximum use of the light area and the absence of any raised elements of a roller shutter.



Combined mounting with the shutter box inside*

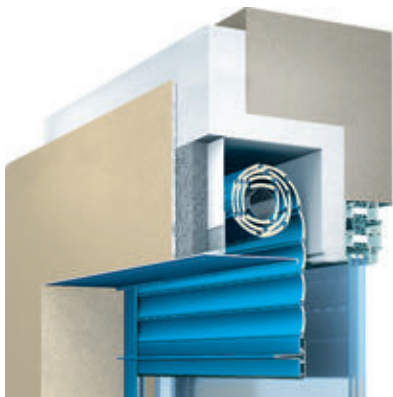
A roller shutter box is located in the recess of the opening with the front part inside. If this mounting type is used, a closed roller shutter aligns with the frontage as they are on the same level. The same or similar colours of the roller shutter and the frontage will emphasize the integrity of a building.



* This type of mounting is not recommended for roller shutters with a shutter boxes SB-P/RE and SB-R

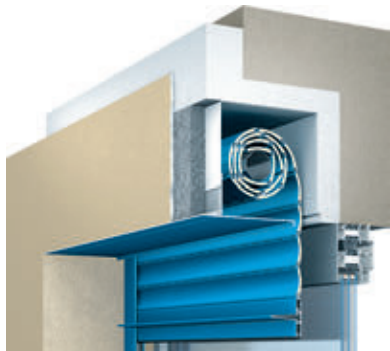
ROLLER SHUTTERS WITH BUILT-IN SHUTTER BOX SB-I/m

The main feature of this system is “hidden” shutter box mounting within the building frontage. To increase the insulation values in the shutter box housing over the window, this can be insulated with different heat-insulating materials to achieve the required insulation requirements.



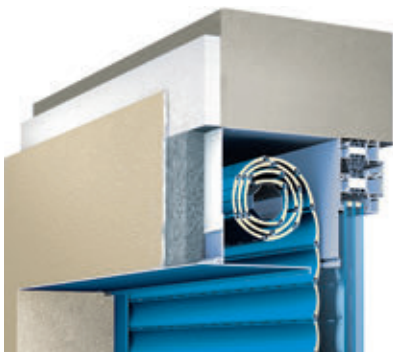
Mounting with partial overlap of the window opening

The bottom of the shutter box is on the same level as the top of the window or door-frame. This mounting scheme provides space in the recess over the top of the door or window to install a shutter box.



Mounting above the window opening

The bottom of the shutter box is on the same level with the upper surface of the opening. With this mounting type the end slat raises out of sight and the full light area is used to the maximum.



Mounting in the window opening

This is a mounting type for existing buildings. With this mounting scheme a window can be partially overlapped with a shutter box.

Mounting of roller shutters with a built-in shutter box according to the 1st and the 2nd variant should be planned in course of construction in the prepared recesses above the window.

COLOUR SOLUTIONS



01
White



31
Pearl white



33
Light grey



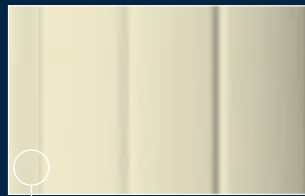
03
Grey



08
Silver



21
Cream



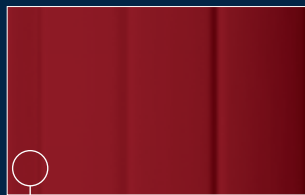
23
Ivory



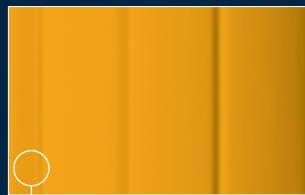
04
Beige



06
Sky blue



07
Purple red



20
Yellow



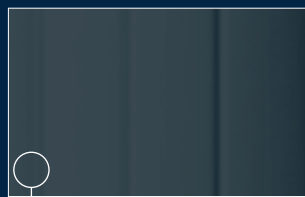
24
Dark-beige



16
Azure blue



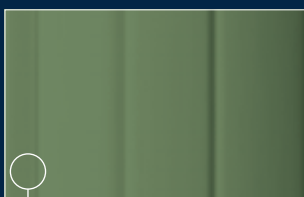
26
Dark blue



83
Graphite



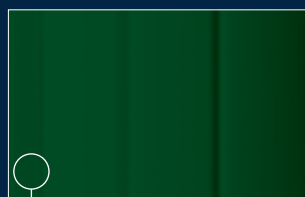
13
Anthracite



35
Pale green



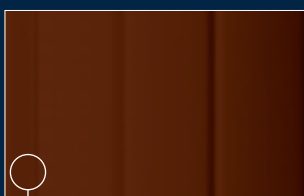
25
Moss green



15
Fir green



29
Bronze



02
Brown



22
Dark brown



10
Black

Colours shown here may vary slightly from the real colour spectrum.

For information about conformity of various roller shutter profiles with mentioned colours, please visit the website of ALUTECH Group or contact your seller company.

<http://www.alutech-group.com/en>



39
Irish oak



19
Golden oak



59
Nut



49
Black cherry

AESTHETICS OF SYSTEM QUALITY



ALUTECH Group of Companies is one of the leaders on the roller shutter systems and sectional doors market of Western and Eastern Europe, and the leading producer of aluminium profile systems in the CIS countries. ALUTECH Group of Companies consists of 6 manufacturing enterprises and 25 sales companies.

All the enterprises of the Group of Companies are equipped with the high-technology equipment and their production conforms to the European quality standards. The equipment includes modern high-technology coil-coating and slitting lines for aluminium and steel strip, 12 roll forming lines, automated complexes for aluminum alloy casting, smelting and casting complexes, high-technology extrusion lines, modern powder coating lines, the largest in the CIS anodizing complex for aluminium profiles.

Due to the own production complexes the specialists of the company are able to control the quality of the products at all stages of the industrial process: from purchase of raw materials till creating finished products and their packing.

All the elements of a roller shutter system are tested for compliance with the European quality standards, colour standard compliance, and compatibility of components.

The Quality management system of all the enterprises of the Group of Companies is certified for compliance with the requirements of the international standard ISO 9001 by TÜV CERT. The enterprises have a number of European certificates.

A distinguishing feature of ALUTECH Group of Companies is an integrated approach to the production: 90% of the roller shutter system components are produced by the enterprises of the Group of Companies. Being a leader of roller shutter systems production, we offer a wide range of profiles and components: roll formed roller shutter profiles, extruded roller shutter profiles, end slats, guide rails, shutter boxes, end caps, octagonal roll tubes, manual drives and assist and push-up springs, components and accessories for roller shutter systems – more than ten thousand units.

Today ALUTECH roller shutters are supplied to the CIS countries, the Baltic States, Germany, Great Britain, Austria, the Netherlands, the Czech Republic and other countries of Western and Eastern Europe. ALUTECH roller shutters have been installed in millions of buildings in 65 countries of the world.

Being perfect in providing comfort and safety inside the house, ALUTECH systems realize the genuine need for quality and the eye pleasing aesthetics that is worthy of you and your house.



www.alutech-group.com

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