ETEM is one of the leading aluminium extrusion companies in South Eastern Europe.
Founded in 1971, ETEM is a fully integrated designer and producer of architectural systems and aluminium profiles for industrial applications.

With two production facilities, in Athens, Greece, and Sofia, Bulgaria, and an annual capacity that exceeds 40,000 tons/year, ETEM guarantees continuous and uninterrupted product delivery. Through continuous innovation and investments in infrastructure equipment and people, ETEM is an international company with exports that exceed 70% of its production capacity and presence in more than 20 countries.

With over 40 years of experience, in both sectors – design and production of architectural systems and aluminium industrial profiles, ETEM is dedicated to serve the customers with value added products and services and build with them long lasting relations that are based on trust through integrity and consistency.
IN AN ERA WHEN TRADITIONAL CURTAIN WALL SYSTEMS HAVE TO INCORPORATE FUNCTIONALITY, AESTHETICS AND ENERGY CONSERVATION, ETEM PIONEERS BY DEFINING THE SHELL OF A BUILDING AS A COMBINATION OF ARCHITECTURAL SYSTEMS THAT CONSTITUTE A NEW PRINCIPAL OF A “BUILDING ENVELOPE”.

CURTAIN WALL SYSTEMS, VENTILATED FAÇADE SYSTEMS AND SUN SHADING SYSTEMS ARE ALL COMBINED EXTERNALLY IN A STRUCTURE IN ORDER TO MANAGE DURABILITY, LONG LASTING FUNCTIONALITY, SUN AND LIGHT DISSEMINATION, WATER, AIR AND SOUND INSULATION PRESERVING ENERGY EFFICIENCY IN MODERN ARCHITECTURE.
E85
System type: Stick Façade System
External aesthetics: Structural glazing, Aluminium cover cap
Interior visible width: 50 mm
Depth vertical mullions: 50 mm–230 mm
Depth horizontal transoms: 6 mm–235 mm

E90
System type: Unitized Façade System
External aesthetics: Aluminium cover cap
Interior visible width: 90 mm
Depth vertical mullions: 139 mm–140 mm
Depth horizontal transoms: 64 mm–136 mm

E8000
System type: Stick Façade System
External aesthetics: Structural glazing, Aluminium cover cap
Interior visible width: 60 mm
Depth vertical mullions: 50 mm–170 mm
Depth horizontal transoms: 20 mm–88.5 mm

BURGLAR RESISTANT
Systems, marked with a padlock icon, are also available in a burglar resistant configuration.
TAILOR-MADE UNITIZED FAÇADE SYSTEM

THE E99 IS A BESPOKE FAÇADE SYSTEM DESIGNED FOR A SPECIFIC PROJECT IN SOFIA. WITH ITS 126 m HEIGHT THE PROJECT IS THE FIRST SKYSCRAPER IN BULGARIA.

E99
Designed according to the high requirements for wind load and seismic resistance
Specially designed fixing devices
Excellent water tightness
Controlled drainage of rainwater
VENTILATED FAÇADE SYSTEMS

ETEM VENTILATED FAÇADE SYSTEMS HAVE BEEN DEVELOPED TO ALLOW THE SECURE MOUNTING OF DIFFERENT FAÇADE MATERIALS EXTERNALLY TO THE BUILDING STRUCTURE.

THE SYSTEMS ARE DESIGNED BASED ON EIS (ETEM INTEGRATED SOLUTION). EIS IS THE HOLISTIC APPROACH WE FOLLOW, CONSISTING OF PROCEDURES AND REGULATIONS FOR CONSTRUCTION WITH THE GOAL OF CREATING ARCHITECTURAL SYSTEMS WITH HIGHEST LEVEL OF SECURITY, OPTIMAL DESIGN AND EASE OF USAGE.

WITH ALL ITS SYSTEMS ETEM GUARANTEES ENERGY SAVING AND EFFICIENCY, EXCELLENT OUTER APPEARANCE, NATURAL VENTILATION AND FAST MOUNTING.

E97 BRAVO
Façade materials:
Composite materials
Metal sheets

Mounting method: Hangers

E97 VARIO
Façade materials:
Ceramic tiles
HPL
Fiber cement
Stone less than 20 mm of thickness
Glass
etalbond™

Mounting methods: Hangers, undercut anchors, clips, rivets, screws, gluing technique

E97 FORTE
Façade materials:
Stone
Glass
Fiber cement
HPL
Ceramics

Mounting methods: Undercut anchors, stainless steel pins

E97 RESPECT
Façade material:
Photovaltaic panels

Mounting method: Hangers
SUN SHADING SYSTEM

THE SUN SHADING SYSTEM PROVIDES TWO OF THE MOST IMPORTANT ASPECTS IN CONTEMPORARY CONSTRUCTION – THE PROTECTION AGAINST OVERHEATING DURING SUMMER AND CONTROLLED ACCESS OF NATURAL LIGHT.

THESE FEATURES ENSURE COMFORT AND OVERALL IMPROVEMENT OF THE LIVING ENVIRONMENT FOR THE INHABITANTS AND CONTRIBUTE TO THE ENERGY EFFICIENCY OF THE BUILDING.

E66

- Louvers with various types of design
- Dimensions from 150 mm to 600 mm
- Self-cleaning finish
- Multiple hanging methods
- Horizontal or vertical, parallel or perpendicular installation
- Movable or fixed

In addition, the ETEM team has developed ETEM Pro software which determines the general energy properties of complex façade structures, forecasts the energy effect and analyses variations and optimization of combined structures.
ETEM'S PRODUCT RANGE FOR DOORS AND WINDOWS INCLUDES A WIDE RANGE OF SOLUTIONS TO PRACTICALLY REALIZE EVERY RESIDENTIAL OR COMMERCIAL APPLICATION, SUCH AS OPENING DOORS, SINGLE AND TWO LEAF WINDOWS WITH TILT AND TURN MECHANISMS, SLIDING SYSTEMS, FIXED FRAMES, ROTATING WINDOWS, SWINGING DOORS, LARGE SLIDING SYSTEMS WITH LIFT AND SLIDE FUNCTIONALITIES, SYSTEMS FOR THE CONSTRUCTION OF MAIN ENTRANCES AND MANY MORE.

ETEM OFFERS A WIDE COLLECTION OF STRAIGHT AND ROUND CONTOUR PROFILES TO MEET TRADITIONAL AND CONTEMPORARY ARCHITECTURAL REQUIREMENTS ALLOWING THE USER TO SELECT THE SYSTEM OF HIS CHOICE.
BURGLAR RESISTANT

Systems, marked with a padlock icon, are also available in a burglar resistant configuration.

OPENING DOORS & WINDOWS

**E75**
- **ECS**
  - Fixed frame (min. depth): 75 mm
  - Sash frame (min. depth): 84,5 mm
  - Min. height: 107 mm
  - Glass thickness: 6 mm – 41 mm
  - Max. sash weight: 140 kg
  - Thermal insulation: Uf=1,1 W/m²K

**E45**
- **ECS**
  - Fixed frame (min. depth): 60 mm
  - Sash frame (min. depth): 67,5 mm
  - Min. height: 82,5 mm
  - Glass thickness: 10 mm – 49 mm
  - Max. sash weight: 140 kg
  - Thermal insulation: Uf=1,9 W/m²K

**E24**
- **ECS**
  - Fixed frame (min. depth): 67,5 mm
  - Sash frame (min. depth): 75 mm
  - Min. height: 101 mm
  - Glass thickness: 16 mm – 46 mm
  - Max. sash weight: 140 kg
  - Thermal insulation: Uf=2,34 W/m²K

**E40**
- **ECS**
  - Fixed frame (min. depth): 52 mm
  - Sash frame (min. depth): 59,5 mm
  - Min. height: 82,5 mm
  - Glass thickness: 6 mm – 41 mm
  - Max. sash weight: 140 kg
  - Thermal insulation: Uf=2,5 W/m²K

**E38**
- **ECS**
  - Fixed frame (min. depth): 50 mm
  - Sash frame (min. depth): 58 mm
  - Min. height: 102,5 mm
  - Glass thickness: 23 mm – 36 mm
  - Max. sash weight: 140 kg
  - Thermal insulation: Uf=2,9 W/m²K
**Q60 [PVC] ECS**
- Fixed frame (depth): 60 mm
- Sash frame (depth): 77.5 mm
- Min. height: 111 mm
- Glass thickness: 24 mm and 42 mm
- Max. sash weight: 150 kg
- Thermal insulation: Uf=1.33 W/m²K

**Q72 [PVC] ECS**
- Fixed frame (depth): 72 mm
- Sash frame (depth): 92.5 mm
- Min. height: 114 mm
- Glass thickness: 24 mm – 42 mm
- Max. sash weight: 150 kg
- Thermal insulation: Uf=0.74 W/m²K

**E2300**
- Fixed frame (min. depth): 49 mm
- Sash frame (min. depth): 53 mm
- Min. height: 93 mm
- Glass thickness: 4 mm – 30 mm
- Max. sash weight: 140 kg

**E1000**
- Fixed frame (min. depth): 40 mm
- Sash frame (min. depth): 47.5 mm
- Min. height: 93.5 mm
- Glass thickness: 6 mm – 22 mm
- Max. sash weight: 100 kg

**E1000**
- Fixed frame (min. depth): 40 mm
- Sash frame (min. depth): 47.5 mm
- Min. height: 93.5 mm
- Glass thickness: 6 mm – 22 mm
- Max. sash weight: 100 kg

**Q60 [PVC] ECS**
- Fixed frame (depth): 60 mm
- Sash frame (depth): 77.5 mm
- Min. height: 111 mm
- Glass thickness: 24 mm and 42 mm
- Max. sash weight: 150 kg
- Thermal insulation: Uf=1.33 W/m²K
FLAT DOORS

**E75**
- **Sash/sash frame (min. depth):** 75 mm
- **Min. height:** 148 mm
- **Glass thickness:** 9 mm – 55 mm
- **Max. sash weight:** 200 kg
- **Thermal insulation:** $U_f = 2$ W/m²K

**E24**
- **Sash/sash frame (min. depth):** 67.5 mm
- **Min. height:** 141 mm
- **Glass thickness:** 15 – 45 mm
- **Max. sash weight:** 200 kg
- **Thermal insulation:** $U_f = 2.3$ W/m²K

**E2004**
- **Sash/sash frame (min. depth):** 63.5 mm
- **Min. height:** 146.5 mm
- **Glass thickness:** up to 43 mm
- **Max. sash weight:** 180 kg
- **Thermal insulation:** $U_f = 2.68$ W/m²K

**E2004**
- **Sash/sash frame (min. depth):** 63.5 mm
- **Min. height:** 146.5 mm
- **Glass thickness:** 22.5 mm – 37 mm
- **Max. sash weight:** 200 kg

**BURGLAR RESISTANT**
Systems, marked with a padlock icon, are also available in a burglar resistant configuration.

**ECS**
**Energy Conservation Systems**
### SLIDING DOORS & WINDOWS

<table>
<thead>
<tr>
<th>Model</th>
<th>Sash Frame (min. depth)</th>
<th>Min. Height of Sash</th>
<th>Min. Height of Rail</th>
<th>Glass Thickness</th>
<th>Thermal Insulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E70</strong>&lt;sup&gt;ECS&lt;/sup&gt;</td>
<td>70 mm</td>
<td>102 mm</td>
<td>42 mm</td>
<td>22 mm – 52 mm</td>
<td>U&lt;sub&gt;f&lt;/sub&gt;=1.5 W/m²K</td>
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<tr>
<td><strong>E3000</strong>&lt;sup&gt;ECS&lt;/sup&gt;</td>
<td>60 mm</td>
<td>99 mm</td>
<td>42 mm</td>
<td>20 mm – 42 mm</td>
<td>U&lt;sub&gt;f&lt;/sub&gt;=2 W/m²K</td>
</tr>
<tr>
<td><strong>E50</strong>&lt;sup&gt;ECS&lt;/sup&gt;</td>
<td>50 mm</td>
<td>81.5 mm</td>
<td>45 mm</td>
<td>26 mm</td>
<td>U&lt;sub&gt;f&lt;/sub&gt;=2.06 W/m²K</td>
</tr>
<tr>
<td><strong>E52</strong>&lt;sup&gt;ECS&lt;/sup&gt;</td>
<td>38 mm</td>
<td>100 mm</td>
<td>45 mm</td>
<td>20 mm – 26 mm</td>
<td>U&lt;sub&gt;f&lt;/sub&gt;=3 W/m²K</td>
</tr>
<tr>
<td><strong>E36</strong>&lt;sup&gt;ECS&lt;/sup&gt;</td>
<td>36 mm</td>
<td>75 mm</td>
<td>25 mm</td>
<td>24 mm</td>
<td>U&lt;sub&gt;f&lt;/sub&gt;=3 W/m²K</td>
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</tbody>
</table>

**ECS**

Energy Conservation Systems

**BURGLAR RESISTANT**

Systems, marked with a padlock icon, are also available in a burglar resistant configuration.
**E22**
Sash frame (min. depth): 36 mm
Min. height of sash: 77.3 mm
Min. height of rail: 30.9 mm
Glass thickness: 20 mm – 25 mm

**E19**
Sash frame (min. depth): 32 mm
Min. height of sash: 75.5 mm
Min. height of rail: 30.9 mm
Glass thickness: 20 mm
ROLLING SHUTTERS

CONTEMPORARY ARCHITECTURE AND MODERN TRENDS SUGGEST THE USE OF CONVENIENT, AESTHETICALLY ACCEPTABLE AND AFFORDABLE SHADING SYSTEMS IN RESIDENTIAL AND COMMERCIAL APPLICATIONS. COMBINING THESE ATTRIBUTES WITH RECENT NEEDS FOR BURGLAR RESISTANCE, ENERGY EFFICIENCY, LIGHT CONTROL AS WELL PROTECTION AGAINST SEVERE WEATHER SUCH AS WIND AND RAIN, ETEM DESIGNED SERIES OF SYSTEMS WITH AND WITHOUT THERMAL INSULATION TO COVER THESE NEEDS.

WITH THE OBJECTIVE OF DURABILITY AND LONG TIME PROPER FUNCTIONALITY OUR DESIGN USES NUMEROUS INNOVATIONS SUCH AS ACCESSORIES THAT ALLOW THE SLATS TO MOVE SMOOTHLY AND SEAMLESSLY IN THE BOX CASING AND SPECIALY REINFORCED PROFILES AT THE POINTS WHERE THE ROLLING SHUTTER IS MOSTLY STRAINED, ASSURING DURABILITY AND QUIET OPERATION THROUGHOUT TIME.

E55
Maximum roller shutter height: up to 2,40 m
Maximum width: up to 3,5 m

E61 MULTIBOX
Maximum roller shutter height: up to 2,40 m
Maximum width: up to 3,5 m
OFFICE PARTITION WALLS

THE MOST IMPORTANT FEATURES IN THE DESIGN PHILOSOPHY AND NEEDS OF CONTEMPORARY OFFICE SPACE ARE FUNCTIONALITY AND FLEXIBILITY.

PARTITION WALLS ARE A SOLUTION WHICH CAN SUCCESSFULLY SERVE THOSE PURPOSES. HOWEVER ETEM OFFERS MORE THAN THAT, BY INTRODUCING THE E69 PARTITION WALL SYSTEM.

E69
Ability to combine many different materials
Easy installation and de-installation
Possibility for different sound insulation levels
Possibility to place blinds between the glasses
Compatibility with other ETEM systems
MAIN ENTRANCES

COMBINING FUNCTIONALITY WITH AESTHETICS AND PROTECTION AGAINST INTRUSION ETEM OFFERS A PRODUCT RANGE OF READY TO INSTALL MAIN ENTRANCE SECURITY DOORS, INTERNAL DOORS, FIRE PROOF DOORS AS WELL AS MULTI PURPOSE METALLIC STEEL DOORS.

ETEM SECURITY DOORS ARE CERTIFIED FROM ACCREDITED CERTIFICATION BODIES. THEIR SECURITY BENEFITS INCLUDE DOUBLE ARMORED LEAF, HEAVY DUTY ADJUSTABLE HINGES, 180° DOOR VIEWER, AND “DEFENDER” KEY CYLINDER PROTECTOR.
SUPPLEMENTARY PRODUCTS

ETEM GOES BEYOND CONVENTIONAL SYSTEMS AND HAS ENLARGED ITS PRODUCT RANGE WITH NEW PRODUCTS AND SOLUTIONS THAT AIM IN IMPROVING THE EVERY DAY LIVING OF THE BUILDING’S INHABITANTS.

CONSIDERING SAFETY AND FUNCTIONALITY, WE HAVE DESIGNED AND INTRODUCED PRODUCTS THAT CARRY THE STRICTEST CERTIFICATIONS AND ARE PRIMARILY COMPATIBLE WITH THE REST OF ETEM SYSTEMS BUT CAN ALSO BE USED SEPARATELY IN VARIOUS CONSTRUCTIONS.

INSECT SCREENS
Suitable for a big variety of applications such as verandas, patios, conservatories and french-doors

Various available types
Classic, opening and sliding, plisse

PANELS
Made of high quality aluminium sheets

Various available types
Inox, traditional or press panels

RAILING SYSTEMS
Easy and quick installation, 16 μ to 18 μ anodized profiles

Various available types
Cylindrical and rectangular railings in both vertical and horizontal elements as well as applications combined with glass
THE HIGHLY COMPETITIVE MARKET ENVIRONMENT AND THE AIM FOR TECHNOLOGICAL EXCELLENCE, HAVE LED ETEM TO FOCUS IN INDIVIDUAL MARKET SECTORS. ONE OF THESE IS PROFILES FOR INDUSTRIAL APPLICATIONS.

OUR SALES ARE FOCUSED BOTH IN THE DOMESTIC AND INTERNATIONAL MARKETS, WITH EXTENSIVE EXPORTS TO THE EUROPEAN UNION.
INDUSTRIAL PROFILES

THROUGH ITS TECHNICAL KNOW-HOW AND EXPERIENCE, THE COMPANY HAS INVESTED IN MODERN MACHINERY LIKE CNC MACHINING AND SPECIAL SAWING CENTERS, AIMING TO SUPPLY SEMI-FINISHED OR FINISHED COMPLEX COMPONENTS.

THE COMPANY PRODUCES A WIDE RANGE OF STANDARD ALUMINIUM PROFILES WITH MORE THAN 900 DIFFERENT SECTIONS:

ANGLES
FLAT BARS
RECTANGULAR AND SQUARE TUBES
T-PROFILES
U-PROFILES

THE MODERN EQUIPMENT ALLOWS ETEM TO DEVELOP HIGH-TECHNOLOGY AND PRECISE PROFILES BASED ON CUSTOMER’S DRAWINGS WITH THE FOLLOWING CHARACTERISTICS:

LENGTH: 3 m to 14 m
MIN THICKNESS OF THE WALL: 0,85 mm

MAX DIMENSIONS OF THE SECTION
SQUARE TUBES: 150 mm × 150 mm
RECTANGULAR TUBES: 300 mm × 50 mm
ROUND TUBES: ∅ 200 mm
ORTHOGONAL BARS: 70 mm × 70 mm
ROUND BARS: ∅ 80 mm

MAX WEIGHT: 15 kg/m

INDUSTRIAL APPLICATIONS
• AUTOMOTIVE INDUSTRY
• CONSTRUCTION INDUSTRY
• MACHINE CONSTRUCTION
• SHIPBUILDING
• HEATING, VENTILATION AND AIR CONDITIONING
• BICYCLE RIMS
• SOLAR COLLECTORS AND PHOTOVOLTAIC PANELS
• INTERIOR ARCHITECTURE
• ADVERTISING FACILITIES
• LADDERS
• SCAFFOLDINGS AND SUPPORTING FACILITIES
• ELECTRIC EQUIPMENT
• SUNSCREEN SYSTEMS ETC.
AZALEA COMPLEX   PRAGUE, CZECH REPUBLIC   VENTILATED FAÇADE SYSTEM VARIO
ETEM ALBANIA
ETEM BULGARIA
ETEM GREECE
ETEM ROMANIA
ETEM SERBIA
ETEM UKRAINE