

A PROVEN ROOFING SYSTEM





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Contracting Co. Ltd. has reached to the

leader position in the quality metal roof field within ten years that followed its founding until these lines have been written. Company has thrown a number of steps on the way of attaining new leaps and quality to the field in which it takes place in compliance with its start off principle.

We take the pride of successful accomplishment of almost all of the metal roof cladding of the modern terminal buildings of the important airports of our country in the last ten years as well as the successful completion of many precious projects.

Our organization has always been appreciated in all of its projects that have been undertaken with the understanding of precision, quality and solutions and has attained a special place in the sector by the importance that it has already paid on such matters.

In the last years, metal based materials in buildings are gaining importance and such materials are being preferred more and more in our days by the modern structural designers. Our products are providing great contributions to the designer in the direction of the realization of contemporary projects in life by being persistent, easy to apply, the high technology available of our products together with our precise applications.

We are determined to maintain our business life also in the future process without sacrificing our principle of the settling of the metallic materials, quality and precision to the modern structural understanding.



## Iscom S.p.A.

Italy

The metal roof covering systems are the main activity field of **Iscom S.p.A.** These metal roof covering systems, patented worldwide, are very special with locked-rib joint system which have different types for flat, slopy or circular roofs. A number of different metals such as aluminium alloy, copper and stainless steel, and various colored coating options provide a wide selection range.

Especially Riverclack 55<sup>®</sup>, developed for flat roofs, guarantees high reliability and eliminates all the problems typical to such roofs.

Our Metal Roof Covering Systems are not only an appropriate solution for new buildings, but also a retrofit solution for old and problematic roofs.

All of our products contain properties such as: easy and reliable joint system, waterproofing, walkability, durability under all atmospheric conditions.

EMI is the exclusive commercial agent of **Iscom S.p.A.** since its establishment in 1998, and acts as a producer and/or installer, or a sub-contractor for whole roof package.

## ThyssenKrupp Steel Europe AG

Germany

As a member of "ThyssenKrupp" Steel Group, "Profit Center Color/Construction" provides high quality building products as the leader of thin metal sheet production and "coil coating" techniques in Europe. With special products like "Additive Flooring System<sup>®</sup>" for multi-storey car parks and buildings, "Roof 2000<sup>®</sup> Roof Decking System" for steel structures, efficient building methods and superior design are combined to each other.

Circular or Straight sandwich panels could be used on modern-looking eaves and curtain wall applications.

"Hoesch Matrix Facade System" which joined our product portfolio in 2008 has once again proven the innovative spirit of this association. This product, a combination of prefabricated sandwich facade panel production and curtain wall, is a new option for modern buildings.

EMI is the exclusive commercial agent of **ThyssenKrupp Steel Europe** since 2000.



manufacture firms



## flat roof metal covering system: Riverclack 55®

The flat roof metal covering **Riverclack®** is the solution, in industrial as well as in civil building, which complies with the latest architectural trends.

Thanks to its essential shape, aesthetic, constructive economies and outstanding technical properties, **Riverclack®** is the perfect balance between technology and appearance.

Riverclack is a new metal covering system made by metal sheets produced as long as necessary, which are locked together by a snap mechanic joint, without drilling them.



### joint system



The locking system is very easy, it is free of any seal, gasket or through perforation.



Fastening system is made by reinforced polyamide brackets.



This locking system allows totally free movement.

# products

- ✓ **FULLY WATERPROOF:** Thanks to the sealants and gaskets-free draining joint, this roof system is fully watertight even it is submerged.
- ✓ **PERFORATIONS-LESS LOCKING SYSTEM:** Metal sheets are fixed on the below support structure without any through holes, thus allowing a free thermal expansion. Sheets more than 100m long can be used.
- ✓ **UNLIMITED THERMAL EXPANSION:** Polyamide brackets allow the panels to expand or contract freely due to exchanging temperatures. Thanks to this, panel is not affected by thermal changes, it can not be distorted, torn or perforated.
- ✓ **WALKABILITY:** It is guaranteed in every sheet area and does not leave any deflection even after several carelessness tramples.
- ✓ **RESISTANCE UNDER WIND:** Panels can resist up to 650 kg/m<sup>2</sup> inverse wind pressure.
- ✓ **DURABILITY:** Aluminium, copper or stainless steel sheets are unchangeable in time and have a hundred-year durability.
- ✓ **QUICK INSTALLATION/ LOW COSTS:** Long life, no maintenance and installation quickness are properties that make Riverclack system cost effective both for big and small works.
- ✓ **PATENTED- CERTIFICATED:** It is worldwide patented as the brand and the system, also it is certified by premier European Institutions.



# Hoesch Additive Floor®

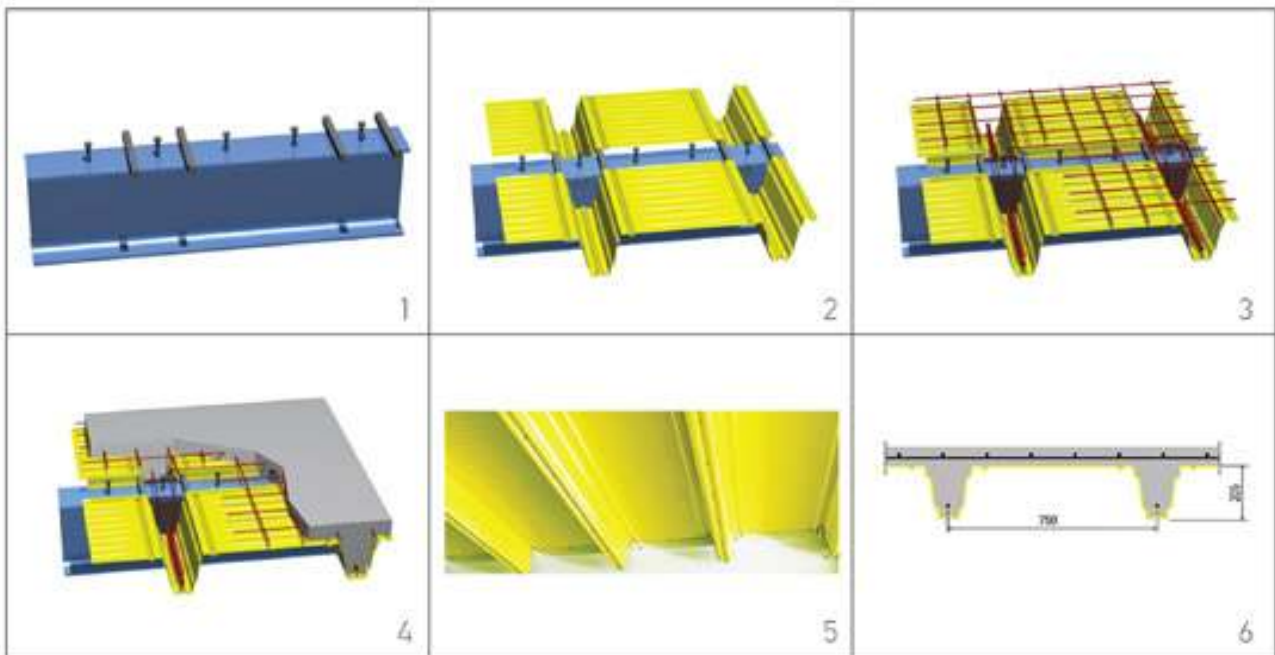
the easily mounted floor system for large spans



- Aesthetic, simple, economic
- It can be used both on steel or concrete structures
- Ideal solution for Car Parks, Multi-storey buildings
- Lightweight construction achieved by spans of up to 5.80 m/ Quick installation
- Fire protection up to F 90 / High technology
- Colorful lower sides painted by "Hoesch Coil Coating System"
- Internationally patented, officially certificated

**Hoesch Additive Flooring System®** is the ideal combination of methods that are used on concrete and steel structures.

Trapezoid profiles, as a decking system, are chosen more and more by structural system designers. Thanks to this high trapezoid profile quick and economic applications can be done. Besides cast and support system that slower the work while concreting is not needed. **Hoesch Additive Decking System**, by its ability to be used on long spans, decreases the structural steel by 30-40% which provides cost and time savings.



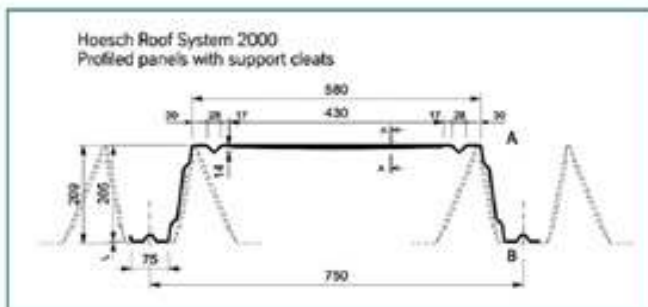
# Hoesch Roof System 2000

long span deep profile



- Eliminates purlins, thus brings economy and faster installation
- High load capacity in relation to a low dead weight
- Maximum durability and high rigidity
- Perfect acoustic performance
- High technology product
- Colorful underside painted by "Hoesch Coil Coating" system
- Internationally patented, officially certified

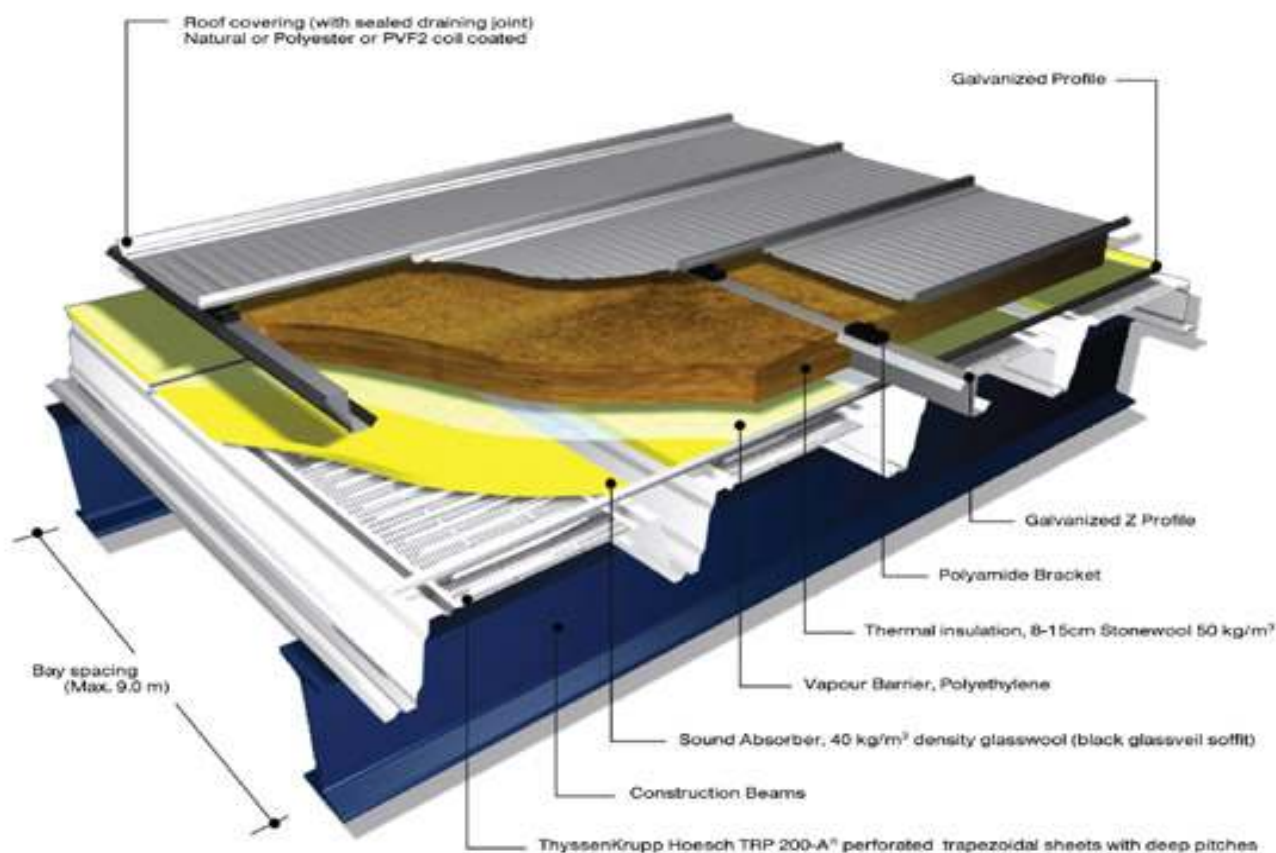
This is a product which can span up to 10 m. presents aesthetic and colorful undersides by "Hoesch coil coating" system. Besides its high load capacity and superior technology, it can also provide modern and economic solutions.



# acoustical roof without purlins

Riverclack 55® - Hoesch Roof System 2000

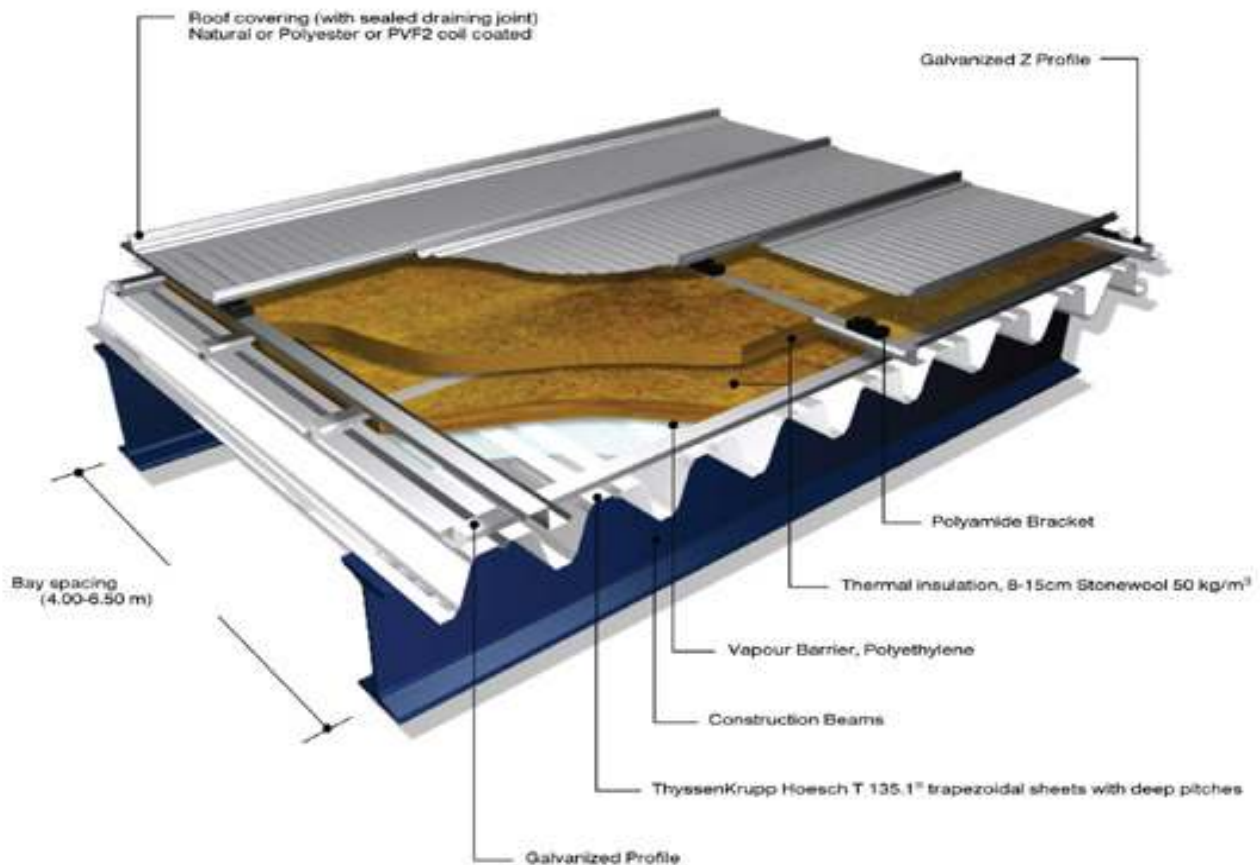
Special locked-rib joint system with no screws exposed or overlapped



## roof without purlins

**Riverclack 55® - Hoesch Trapezoidal Profile**

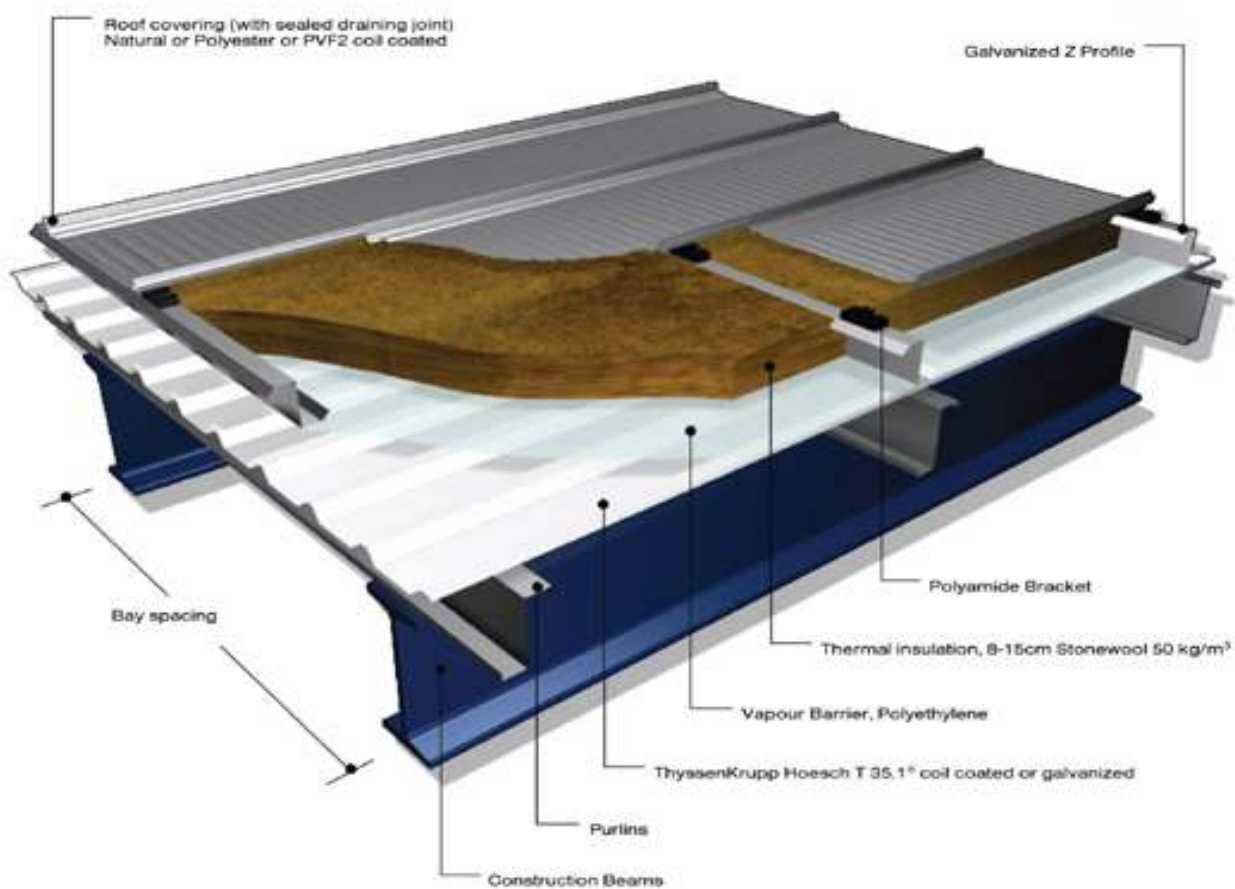
Special locked-rib joint system with no screws exposed or overlapped



# roof over purlins

Riverclack 55® - Hoesch Trapezoidal Profile

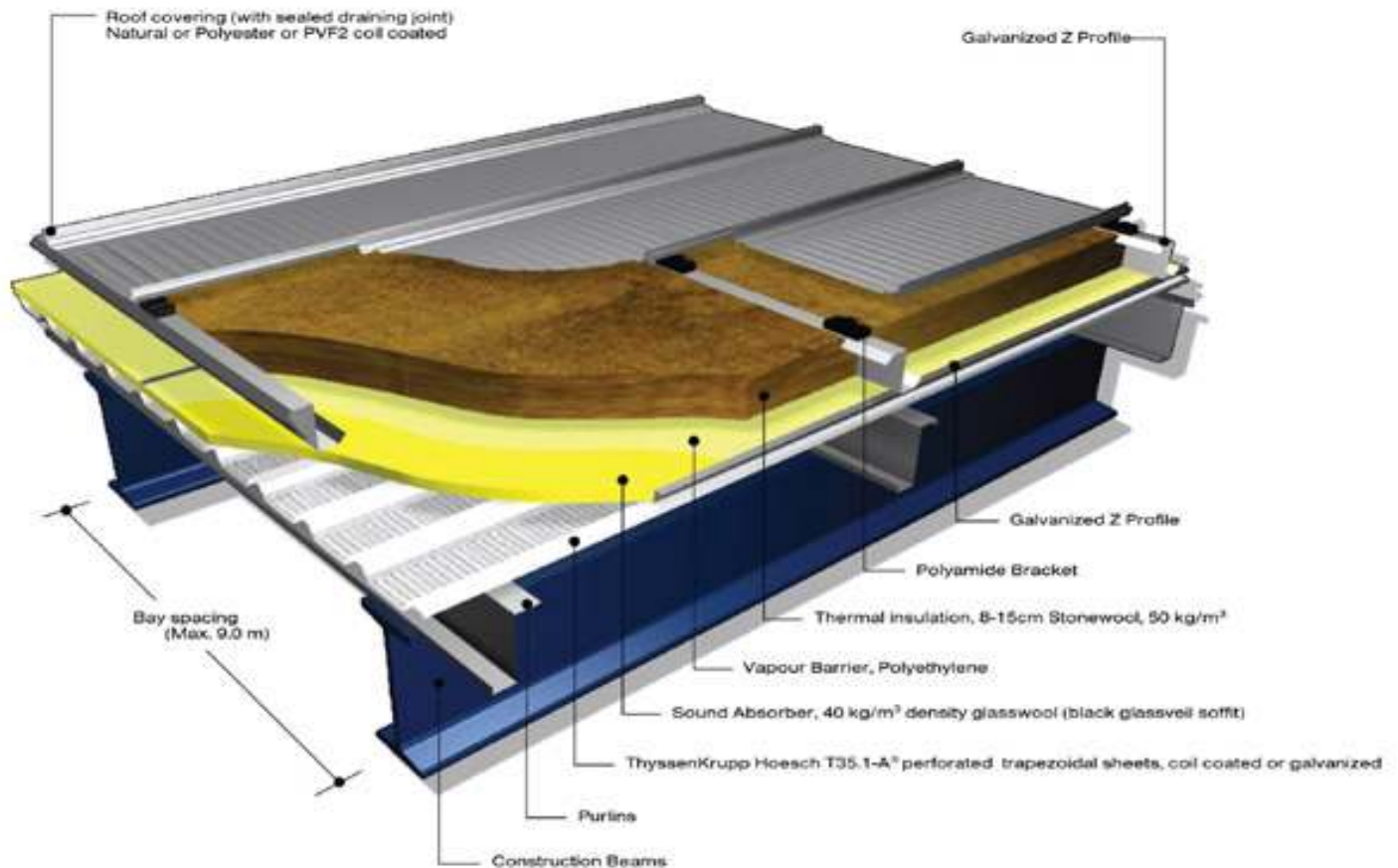
Special locked-rib joint system with no screws exposed or overlapped



## acoustical roof over purlins

Riverclack 55® - Hoesch Trapezoidal Profile

Special locked-rib joint system with no screws exposed or overlapped





## SABIHA GOKCEN INTERNATIONAL AIRPORT TERMINAL BUILDING

Istanbul



ISCOM, Riverclack55® 43.500 m<sup>2</sup>  
ThyssenKrupp Hoesch, Roof System 2000® Acoustical 43.500 m<sup>2</sup>



## SABIHA GOKCEN INTERNATIONAL AIRPORT DOMESTIC AND INTERNATIONAL FLIGHTS OLD TERMINALS

Istanbul



ISCOM, Riverclack55® 27.000 m<sup>2</sup>  
ThyssenKrupp Hoesch, Roof System 2000® 18.500 m<sup>2</sup>  
ThyssenKrupp Hoesch, Circular/Plane Eave System 5.700 m<sup>2</sup>

**ATATURK AIRPORT  
TERMINAL BUILDING**

Istanbul



ISCOM, Rivergrip® 29.100 m<sup>2</sup>  
ISCOM, Riverclack55® 10.230 m<sup>2</sup>



**ANTARES  
SHOPPING MALL**

Ankara

ISCOM, Riverclack55® 30.000 m<sup>2</sup>  
ThyssenKrupp Hoesch, Trapezoidal Profile 30.000 m<sup>2</sup>





## ESENBOGA AIRPORT TERMINAL BUILDING

Ankara



ISCOM, Riverclack55<sup>®</sup> 42 000 m<sup>2</sup>  
 ThyssenKrupp Hoesch, Roof System 2000<sup>®</sup> 23 500 m<sup>2</sup>



## MOPISAN PRODUCTION PLANT

Izmir



ThyssenKrupp Hoesch, Isowand Sandwich Panels 2 000 m<sup>2</sup>  
 ThyssenKrupp Hoesch, Isowelle Sandwich Panels 350 m<sup>2</sup>



**TBILISI HAVAALANI**  
TERMINAL BUILDING (Renovation)

Tbilisi



ISCOM, Riverclack55® 11.000 m<sup>2</sup>  
ThyssenKrupp Hoesch, Acoustical Trapezoidal Profile 4.400 m<sup>2</sup>

**THYSSENKRUPP EURINOX**  
SERVICE CENTER

Gebze-Izmit



ThyssenKrupp Eurinox,

20.000 m<sup>2</sup>



**ENFIDHA ZINE EL ABIDINE BEN ALI  
INTERNATIONAL AIRPORT  
TERMINAL BUILDING**

Tunisia



ISCOM, Riverclack55® 26.000 m<sup>2</sup>  
ThyssenKrupp Hoesch, T35.1 Trapezoidal Profile 26.000 m<sup>2</sup>



**KADIR HAS  
CONGRESS CENTER**

Kayseri

ISCOM, Riverclack55® 4.400 m<sup>2</sup>  
ThyssenKrupp Hoesch, Acoustical Trapezoidal Profile 4.400 m<sup>2</sup>





installation

**Ataturk Airport, Terminal Building, Yesilköy-Istanbul (ext. in 2009)**

Sub-contracting of metal roof covering works as a whole.	
TAV Istanbul Inc. Istanbul	
ISCOM, Riverclack55®	2.000 m <sup>2</sup>

**S. Gokcen Airport, Terminal Building, Kurtkoy-Istanbul (2009)**

Sub-contracting of metal roof covering works as a whole.	
LIMAK - GMR JV, Istanbul	
ISCOM, Riverclack55®	43.500 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®. Acoustical	43.500 m <sup>2</sup>

**Zine El Abidine Ben Ali International Airport, Terminal Building, Enfidha-Tunisia (2009)**

Sub-contracting of the replacement of metal roof covering works as a whole.	
TAV Tunisia	
ISCOM, Riverclack55®	26.000 m <sup>2</sup>
ThyssenKrupp Hoesch, T35.1 Trapezoidal Profile	26.000 m <sup>2</sup>

**ThyssenKrupp Eurinox, Service Center, Gebze-Izmit (2009)**

Main-contracting on "Turn Key" basis. 20.000 sqm Industrial Building	
ThyssenKrupp Eurinox, Istanbul	
	20.000 m <sup>2</sup>

**Tbilisi Airport, Terminal Building, Tbilisi-Georgia (2008)**

Sub-contracting of the replacement of metal roof covering works as a whole.	
TAV URBAN Georgia, Tbilisi	
ISCOM, Riverclack55®	11.000 m <sup>2</sup>
ThyssenKrupp Hoesch, Acoustical Trapezoidal Profile	4.400 m <sup>2</sup>

**Anse Shopping Mall, Ankara (2008)**

Sub-contracting of metal roof covering works as a whole.	
Anse Istetmecilik Inc., Ankara	
ISCOM, Riverclack55®	3.000 m <sup>2</sup>

**Aselsan INC, Military Buildings, Ankara (2008)**

Vendor of below materials.	
BIRTAM Construction Ltd.	
ISCOM, Riverclack55®	2.700 m <sup>2</sup>

**Aselsan INC, Military Buildings, Ankara (2008)**

Vendor of below materials.	
OPTIMUM Construction Ltd.	
ISCOM, Riverclack55®	4.700 m <sup>2</sup>

**Kadir Has Congress Center, Kayseri (2007)**

Sub-contracting of metal roof covering works as a whole.	
Kahraman Construction Co. Ltd., Kayseri	
ISCOM, Riverclack55®	4.400 m <sup>2</sup>
ThyssenKrupp Hoesch, Acoustical Trapezoidal Profile	4.400 m <sup>2</sup>

**Antares Shopping Mall, Etlük-Ankara (2007)**

Supervising and supplying of metal roof covering works as a whole.	
Dolunay Ormancilik Co. Ltd., Ankara	
ISCOM, Riverclack55®	30.000 m <sup>2</sup>
ThyssenKrupp Hoesch, Trapezoidal Profile	30.000 m <sup>2</sup>

**UMRAN Pipe Inc., New Plant Construction, Bartin (2006 - 2007)**

Vendor of below materials.	
UMRAN Inc.	
ThyssenKrupp Hoesch, Trapezoidal Profile	23.750 m <sup>2</sup>

**Esenboga Airport, Terminal Building, Esenboga-Ankara (2005 - 2006)**

Sub-contracting of metal roof covering works as a whole.	
TAV Anatolia Inc., Ankara	
ISCOM, Riverclack55®	42.000 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®	23.500 m <sup>2</sup>

**TOYRAN INC, Ice Hockey Hall, Ashgabad-Turkmenistan (2005)**

Sub-contracting of metal roof covering works as a whole.	
TOYRAN Inc., Ankara	
ISCOM, Riverclack55®	3.760 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®	3.760 m <sup>2</sup>

**UMUR Matbaacilik INC, New Plant Construction, Istanbul (2005)**

Vendor of below materials.	
KONIKURE Ltd.	
ISCOM, Rivergrip®	9.000 m <sup>2</sup>

**GAP-Urfa Airport, Terminal Building, Urfa (2004)**

Vendor of below materials  
GUNAY Construction Ltd.

ISCOM, Riverclack55®	9,000 m <sup>2</sup>
ThyssenKrupp Hoesch, T.1 100 Trapezoidal Profile	8,800 m <sup>2</sup>
ThyssenKrupp Hoesch, Additive Floor System®	3,500 m <sup>2</sup>

**GELAL INC. Production Plant, Istanbul (2004)**

Vendor of below materials  
GELAL Inc.

ISCOM, Riverclack55®	8,000 m <sup>2</sup>
ThyssenKrupp Hoesch, T.1 135 Trapezoidal Profile	8,000 m <sup>2</sup>

**ANADOLU VAKFI Hospital Building, Istanbul (2004)**

Vendor of below materials  
KONIKURE Ltd.

ISCOM, Riverclack55®	2,800 m <sup>2</sup>
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**MOPISAN INC. Production Plant, Izmir (2004)**

Vendor of below materials  
MOPISAN Inc.

ThyssenKrupp Hoesch, Isowand Sandwich Panels	3,350 m <sup>2</sup>
ThyssenKrupp Hoesch, Isowelle Sandwich Panels	470 m <sup>2</sup>

**OGUZ AMBALAJ INC. Production Plant, Istanbul (2004)**

Vendor of below materials  
OGUZ AMBALAJ Inc.

ThyssenKrupp Hoesch, Isowand Sandwich Panels	2,000 m <sup>2</sup>
ThyssenKrupp Hoesch, Isowelle Sandwich Panels	350 m <sup>2</sup>

**ARSLANLI INC. Production Plant, Istanbul (2002)**

Sub-contracting of metal roof covering works as a whole.  
ARSLANLI Inc., Istanbul

ISCOM, Riverclack55®	2,400 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®	2,400 m <sup>2</sup>

**Ataturk Airport, Terminal Building, Yesilköy-Istanbul (Main part in 1999, ext. in 2002)**

Sub-contracting of metal roof covering works as a whole.  
TAV Istanbul Inc., Istanbul

ISCOM, Rivergrip®	29,100 m <sup>2</sup>
ISCOM, Riverclack55®	8,230 m <sup>2</sup>

**CIMTAS, Pipe Plant, Gemlik OSB, Bursa (2002)**

Vendor of below materials  
CIMTAS Inc.

ThyssenKrupp Hoesch, Isorock Facade System®	6,400 m <sup>2</sup>
ThyssenKrupp Hoesch, E50 Trapezoidal Roof Profile	8,600 m <sup>2</sup>
ThyssenKrupp Hoesch, E35 Trapezoidal Roof Liner Profile	8,500 m <sup>2</sup>

**S.H.C.E.K. Children Care (Foster) House, Sakarya (2001)**

Main-contracting of a steel structured building, from foundation to furnishment.  
ThyssenKrupp Inc., Germany

**S.Gokcen Airport, Domestic and International Flights Old Terminal Buildings, Kurtkoy-Istanbul (2000)**

Sub-contracting of metal roof covering works as a whole.  
ALSIM ALARKO Inc., Istanbul

ISCOM, Riverclack55®	27,000 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®	18,500 m <sup>2</sup>
ThyssenKrupp Hoesch, Circular/Plane Eave System	5,700 m <sup>2</sup>

**Erzurum Airport, Terminal Building, Erzurum (2000)**

Vendor of below materials / AKSAL Inc.

ThyssenKrupp Hoesch, Additive Floor System®	7,850 m <sup>2</sup>
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**Diyarbakir Airport, Terminal Building, Diyarbakir (1999)**

Vendor of below materials / ARYAPI Inc.

ISCOM, Rivergrip®	4,200 m <sup>2</sup>
ThyssenKrupp Hoesch, Roof System 2000®	4,200 m <sup>2</sup>

**Aelsan INC. Military Buildings, Ankara (1999)**

Vendor of below materials / AELSAN Inc.

ISCOM, Rivergrip®	11,000 m <sup>2</sup>
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**Bodrum Airport, Terminal Building, Bodrum (1997)**

Vendor of below materials / PREKONS Inc.

ISCOM, Rivergrip®	16,000 m <sup>2</sup>
ThyssenKrupp Hoesch, Additive Floor System®	6,500 m <sup>2</sup>

# EMİ



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