



**TOSÇELİK** Profil ve Sac

[www.toscelik.com.tr](http://www.toscelik.com.tr)

**OSMANİYE  
ERW ÇELİK BORU FABRİKASI**

Organize Sanayi Bölgesi P.K  
80950 Toprakkale / OSMANİYE

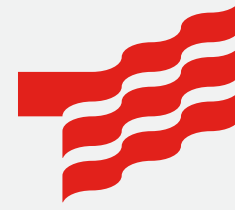
Tel : 0 328 826 80 80  
Faks : 0 328 826 80 09

**İSKENDERUN  
ERW ÇELİK BORU FABRİKASI**

Org. San. Böl. Sarıseki  
İskenderun / Hatay

Tel : 0 326 656 28 90  
Faks : 0 326 656 21 00

Tosçelik Profil ve Sac End. A.Ş. bir Topyalı Holding kuruluşudur.



**TOSÇELİK** Profil ve Sac

## Galvanizli Boru ve Profiller

Galvanized Pipes and Profiles







**TOSÇELİK** Profil ve Sac



**SİZE  
ÇELİK TEN  
DAHA FAZLASINI  
SUNUYORUZ.**  
WE OFFER YOU  
MORE THAN  
STEEL.

# Hakkımızda

## *Saygıdeğer Tosyalı dostları,*

Demir-Çelik sektöründeki 60 yılı geçen deneyimimizle Tosyalı Holding olarak, Türkiye Cumhuriyeti'nin 100. Yılı olan 2023 hedeflerine emin adımlarla ilerliyoruz.

Türkiye'de demir çelik sektöründe liderliğini ilan eden Tosyalı Holding, yeni yurtdışı yatırımlarıyla da uluslararası bir marka haline gelmiş durumda. Cezayir'de ve Karadağ'da açılan demirçelik fabrikaları bunun en büyük göstergesi. İskenderun'da gerçekleştirdiğimiz Termik Santral ve liman projesiyle yatırım anlamında büyümeye devam ediyoruz.

Osmaniye'de 758.000 m<sup>2</sup> alana yayılan Osmaniye Tosçelik Yapısal ve Sac Üretim Tesisleri ise hem ilklerin sahibi olan hem de rekorlara imza atan bir fabrika oldu. Tesis; 19 ay gibi rekor bir sürede tamamlayarak 2009 yılında açtık.

Cumhuriyet tarihindeki ilk özel yassı çelik üretim tesisi olan Tosçelik, Türkiye'nin yassı çelikteki dışa bağımlılığını da azaltan bir işleve sahip.

Bu yatırımı daha verimli hale getirmek, müşteri taleplerine daha hızlı cevap verebilmek amacıyla da, Avrupa'da tek seferde inşa edilmiş en büyük boru profil üretim tesisini de kurarak; Tosçelik; Türkiye'nin boru profilde tartışmasız en büyük lideri oldu.

Hem çeliğini hem de son mamülünü aynı çatı altında üreten ve bu özelliği ile Türkiye'de tek, dünyada ise birkaç örneğinden biri olan entegre tesis Tosçelik'in yıllık üretim kapasitesi 2 milyon ton.

Tosçelik olarak; boru profil üretiminde sektöre sözlerimiz var. Öncelikle sağlık diyoruz. Tüm boru profil çeşitlerini estetik görünümle birlikte en sağlıklı yöntemlerle ve tüm çevre koruma standartlarının üstüne çıkarak üretiyoruz. Tüketici sağlığının herşeyden önemli olduğunu biliyoruz. Ve bunu sağlamak için de en dikkatli şekilde çalışıyoruz.

Sektörde lider olmak için varız. Hep söyleye geldiğimiz gibi “size çelikten daha fazlasını sunuyoruz”.

**FUAT TOSYALI**  
Yönetim Kurulu Başkanı

# About us

## *Dear friends of Tosyalı,*

With the experience of 60 years in Iron and Steel industry, we, as Tosyalı Holding, are moving confidently towards the objectives of 2023, which marks the 100<sup>th</sup> anniversary of the Republic of Turkey.

Tosyalı Holding, establishing its leadership in Iron and Steel Industry in Turkey, has become an international brand with its new foreign investments. The Iron and Steel Works opened in Algeria and Montenegro are the the most important indicators of this success. We continue to grow our investments with our Power Plant and Port Projects in İskenderun.

In Osmaniye, covering an area of 758,000 m<sup>2</sup>, Osmaniye Tosçelik Structural and Flat Steel Production Plant has become a pioneering and record-breaking factory. We opened the facilities in a record time of 19 months in 2009.

With the objective of making this investment more efficient and responding promptly to customer demands, Tosçelik established ERW Tube and Hollow Section Production Facility, the largest facility of its kind built at one time, making Tosçelik the undisputable leader of Pipe and Hollow Sections in Turkey.

The integrated Tosçelik Facilities, with 2 million tons of annual production capacity, is the first facility in Turkey producing both steel and its final products under the same roof, and one of the few in the world. As Tosçelik, we have some commitments to the tube and hollow section industry. We say health comes first.

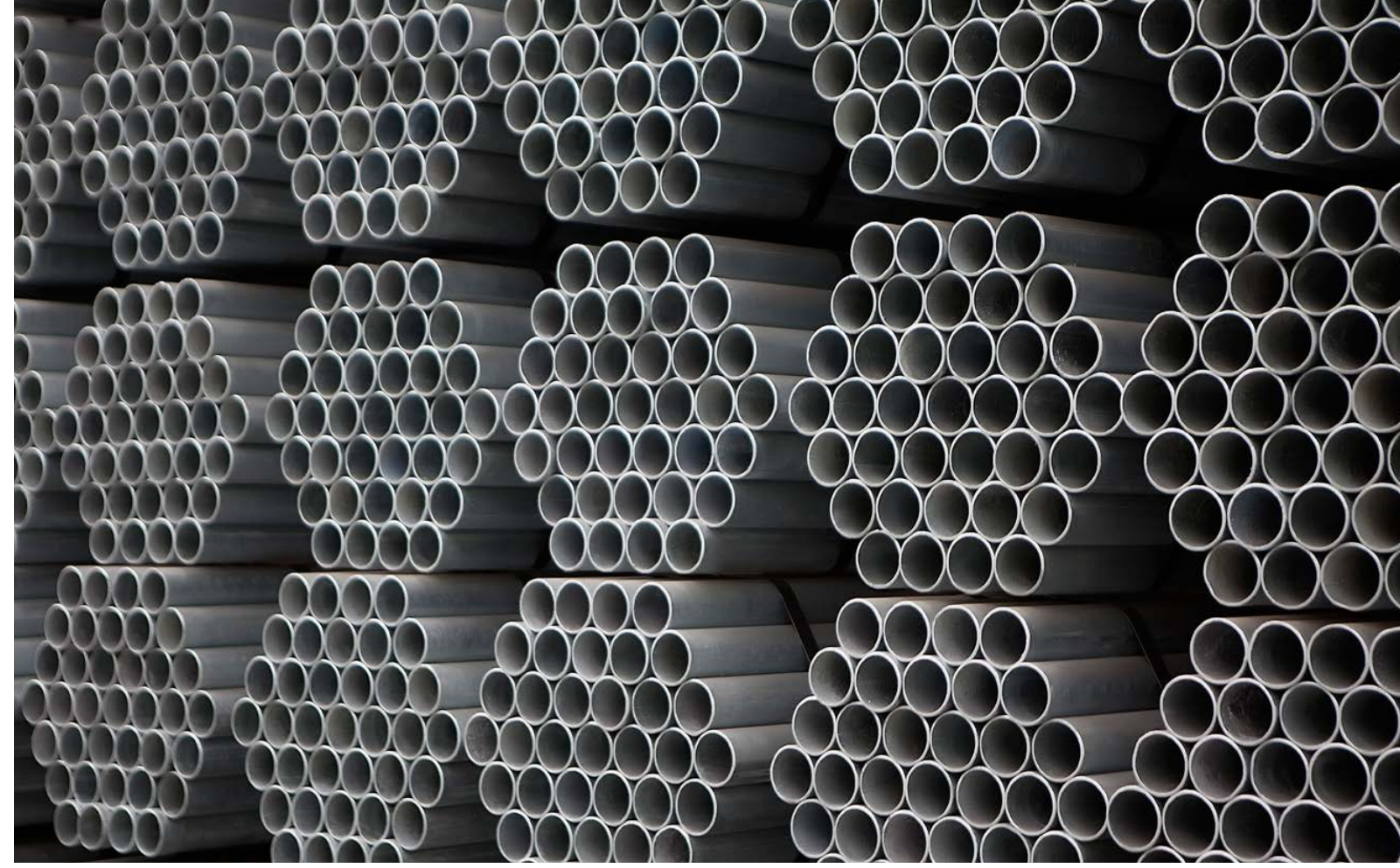
With aesthetic appearance in mind, we produce all tube and hollow sections with the most health-conscious methods, exceeding all environmental standards.

We know that consumer health is of utmost importance and we work meticulously to provide that. We are here to be the leader in the industry.

As we always say, “We offer you more than steel.”

**FUAT TOSYALI**  
Chairman of the Board of Directors

# GALVANİZ BORU VE PROFİLLER GALVANIZED PIPE AND PROFILES



## YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE

Galvanizli ürünler yaşamın her alanında kullanılıyor: Evlerimizde, iş yerlerimizde, ulaşım araçlarında, karayollarında, stadyumda oturduğunuz sandalyelerde veya çatı konstrüksiyonunda, havaalanında, otogarda, enerji ve haberleşme nakil hatlarında, seralarda, içme suyu veya her türlü su tesisatlarında, kısaca korozyona açık her uygulama için en sağlıklı, uzun ömürlü ve ekonomik çözümdür.

Galvanized products are used in all spheres of life: In our houses, workplaces, transportation vehicles, highways, the chairs we sit in stadiums or the roof constructions above us, airports, bus stations, energy and communication transmission lines, greenhouses, water pipes... In short, galvanized steel is the healthiest, long-lasting and affordable solution to all corrodible applications.



# GALVANİZDE İLKLERİN YERİ: TOSÇELİK

THE PIONEER IN GALVANIZING: TOSÇELİK

Türkiye'nin en modern galvanizleme tesisleri Osmaniye ve İskenderun'daki Tosçelik Boru Profil ve Sac Üretim Tesisleri'dir. Galvanizlemede 10 yıllık bir deneyime sahip olan Tosçelik; Türkiye'de, otomatik ve manuel sıcak daldırma galvanizleme yapabilen ilk ve tek tesis. Toplamda 50.000 m<sup>2</sup> kapalı ve açık alana sahip Galvanizleme tesisleri; İskenderun'da 9,5 metre, Osmaniye'de 13 metre olmak üzere iki adet Galvanizleme Kazanına sahip. Tesislerdeki diğer bir ilk ise Otomatik Sıcak Daldırma Galvanizli Kare Kutu Profil üretimi; Türkiye'nin, en fazla otomatik daldırma boru profil Galvanizleme kapasitesine sahip tesislerde dünyada kabul gören tüm standartlarda üretim yapılmaktadır.

Tosçelik Profile and Sheet Ind. Co., has the most modern galvanizing facilities of Turkey, in İskenderun and Osmaniye. With its 10 years of experience in galvanizing, Tosçelik is the first and single facility that can perform automatic and batch galvanizing at the same time. Galvanizing facilities covering a total of 50.000 m<sup>2</sup> open and closed area have two kettles: a 9,5 meter kettle in İskenderun and a 13 meter kettle in Osmaniye.

The facilities with the highest automatic galvanizing capacity in Turkey, are capable of making Automatic Hollow Section Galvanizing according to all accepted international standards, which is another first in Turkey.

# HER ŞEY ÇEVRE İÇİN EVERYTHING IS FOR ENVIRONMENT

Osmaniye tesislerinde tüm üniteler re-jenerasyon sistemleri ile donatılmış, hiçbir tehlikeli atık ortaya çıkmamaktadır. Sistemlerin tümünün otomasyona bağlı olduğu tesislerde, üretim süreç kontrolleri online sistemler üzerinden gerçekleştiriliyor.

All units are supported by regeneration systems, producing no hazardous waste. In the facilities where all systems are fully automated, the process control is conducted by online systems.

# TOSÇELİK ÜLKESİNE ÖNEM VERİR

## TOSÇELİK VALUES ITS COUNTRY

### Neden Sıcak Daldırma Galvanizli Kaplama?

**Düşük Maliyet;** Alternatif ürünlere göre en düşük maliyet en yüksek kullanım performansına sahip kaplama yöntemidir.

**Düşük Bakım Maliyeti;** Kullanım süresince bakım, onarım ve servis maliyetleri yok denecek kadar azdır.

**Uzun Kullanım Ömrü;** Çeliğin kullanım ömrünü 20 ile 50 yıl arasında arttırmaktadır.

**Çevre Dostu ve İnsan Sağlığına Zararsız,** Uygulama aşamasında zararlı kimyasal kullanılmaz ve çevreye tehlikeli atıklar bırakılmaz. Çeliğin korozyona uğraması sonucunda insana ve çevreye karşı oluşabilecek herhangi bir tehdit barındırmaz.

### Why Hot-Dip Galvanizing Coating?

**Low Cost;** The coating method with the minimum cost and maximum application performance compared to alternative products.

**Low Maintenance Cost;** Minimum cost of maintenance and service during usage.

**Long Life;** The usage life of steel is increased by 20 to 50 years.

**Environment-Friendly and Harmless To Human Health;** During production, no harmful chemicals are used and no hazardous waste is released to the environment. Eliminates the threat to human life and the environment that corrosion of steel may cause.







# GALVANİZLEMEDE SINIR TANIMIYORUZ

NO LIMIT WITH IN GALVANIZING

Tosçelik, 2013 yılı itibari ile Osmaniye'deki tesislerinde boru galvanizlemesinin yanı sıra, kendi bünyesinde ürettiği kutu profiller ve NPI, NPU, IPE, köşebent gibi hadde ürünlerinin de galvanizli olarak üretimini gerçekleştiriyor. Ayrıca, 1,8 mt x 3 mt x 13 mt boyutlarındaki kazanlar sayesinde büyük ebatlı hadde profilleri, genel kullanım amaçlı çelik konstrüksiyon ve imalat malzemelerinin de galvanizlemesi yapılıyor.

## NO LIMIT WITH GALVANIZING

Beside galvanized pipes, Tosçelik has started galvanized production of NPI, NPU, IPE, Equal Angles and hollow sections as well as rolling products in its Osmaniye facility in 2013.

Moreover, Tosçelik galvanizes products such as general use steel construction, manufacturing parts, and large structural profiles thanks to its large kettle with 1,8m(w)x3m(d)x13m(l) dimensions.

# GALVANİZLEME BİZİM İŞİMİZ

GALVANIZING IS OUR JOB

Çelik malzemelerin, içinde bulundukları ortamdaki bazı elementler veya bileşenler ile tepkimeye girerek bozulması sonucu ortaya çıkan korozyonun yani paslanmanın, tamamen ortadan kaldırılması imkansızdır ama azaltılması veya kontrol altına alınması galvanizleme ile mümkündür.

Çeliğin korozyona (paslanma) karşı dayanımını artırmak için çinko ile kaplanması olan galvanizleme; sıcak daldırma ile galvanizleme, soğuk daldırma ile galvanizleme ve elektrolitik galvanizleme olarak üçe ayrılır.

Bu üç yöntemden elektrolitik ve soğuk daldırma ile galvanizleme, daha çok iç ortamlarda estetik ürünlere uygulanan ve korozyon dayanımı çok düşük olan kaplama yöntemleridir. Sıcak daldırma galvanizlemede ise, 450 derece sıcaklığındaki eriyik çinkonun çelik yüzeyi ile reaksiyona girerek mükemmel ve çok uzun ömürlü, demir çinko alaşım bütünselliğini oluşturarak korozyona dayanımı yüksek bir ürün üretilir.

İşte Tosçelik; Türkiye'de, otomatik ve manuel sıcak daldırma galvanizleme yapabilen ilk ve tek tesistir.

The chemical reaction of steel materials with various components and elements in their environment results in corrosion. It is impossible to totally eliminate corrosion but it can be decreased or kept under control by galvanizing. The resistance of steel to corrosion can be increased by three types of galvanizing: hot-dip galvanizing, cold-dip galvanizing and electrolytic galvanizing.

Out of these three coating methods, cold and electrolytic galvanizing are mostly used on decorative products used in indoor spaces, since their resistance to corrosion is quite low. Yet, hot dip galvanizing provides excellent and durable corrosion protection by forming an iron-zinc alloy, in chemical reaction with the steel surface of melted zinc at 450 degrees.

Tosçelik is the first and only facility that can perform both manual and automatic galvanizing in Turkey.





# YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE



# OTOMATİK GALVANİZLEME

## AUTOMATIC GALVANIZING



### Üretim Standartları / Production Standards :

EN 10240(TS 11348), DIN 2444, ASTM A90, ASTM A53, SI 103, SI 918, BS 729

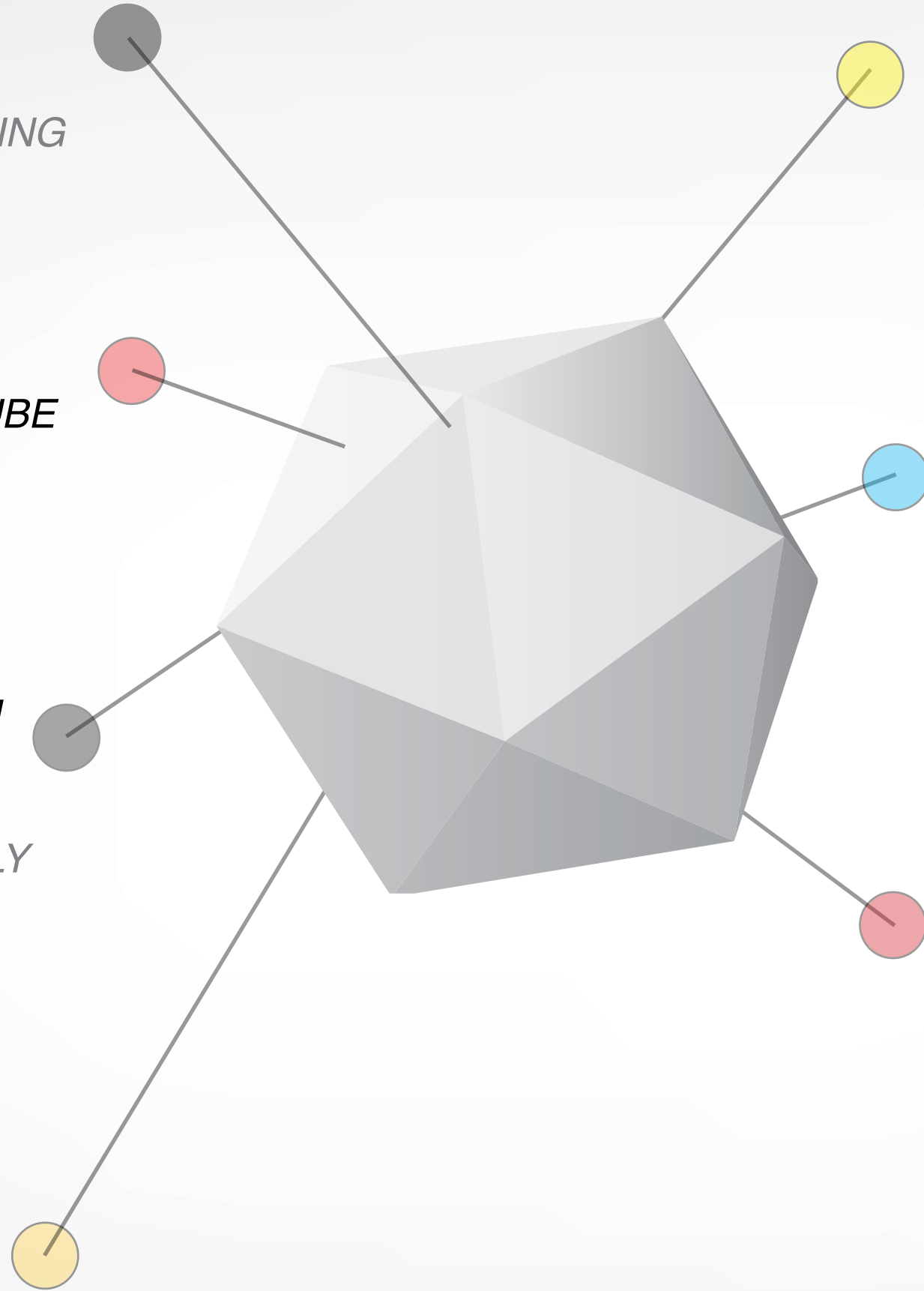


**TÜRKİYE'NİN EN  
MODERN GALVANİZLEME  
TESİSLERİ**  
THE MOST MODERN GALVANIZING  
FACILITIES OF TURKEY

**GALVANİZLEME  
SEKTÖRÜNDE 10 YILLIK TECRÜBE**  
10 YEARS EXPERIENCE IN  
GALVANIZING INDUSTRY

**DÜNYA'DA KABUL GÖREN TÜM  
STANDARTLARDA  
ÜRETİM.**  
MANUFACTURING AT GLOBALLY  
ACCEPTED STANDARDS

**TOPLAMDA 50.000 M<sup>2</sup>  
KAPALI VE AÇIK  
ALANA SAHİP  
GALVANİZLEME  
TESİSLERİ**  
GALVANIZING PLANTS COVERING  
50.000 M<sup>2</sup> OF CLOSED AND OPEN  
SPACE



**İSKENDERUN'DA 9,5 METRE,  
OSMANİYE'DE 13 METRE OLMAK  
ÜZERE İKİ ADET GALVANİZLEME  
KAZANI**  
TWO GALVANIZING KETTLES: A 9,5  
METER KETTLE IN İSKENDERUN  
AND A 13 METER KETTLE IN  
OSMANİYE FACILITY

**TÜRKİYE'DE BİR İLK!  
OTOMATİK SICAK DALDIRMA  
GALVANİZLİ KARE KUTU PROFİL  
ÜRETİMİ**  
FIRST IN TURKEY!  
AUTOMATIC SQUARE AND  
RECTANGULAR HOLLOW SECTION  
PRODUCTION

**TÜRKİYE'DE, OTOMATİK VE  
MANUEL SICAK DALDIRMA  
GALVANİZLEME YAPABİLEN  
İLK VE TEK TESİS.**  
THE FIRST AND ONLY FACILITY  
WHICH CAN PERFORM BOTH  
AUTOMATIC AND BATCH  
GALVANIZING

# KALİTE KONTROL

## Quality Control

### Test Sertifikası

Test Certificates

ISO 10474 ve / veya ISO 9001  
According to ISO 10474 and / or ISO 9001

### Otomatik Galvanizleme

Automatic Galvanizing

1\ 2"-8" Boru / Pipe, 20x20 mm-100x100 mm  
Profil / Square - Rectangular Hollow Sections



### Görsel ve Boyutsal Kontrol

Visual and Dimensional Check

- Ortalama Kaplama Kalınlığı / Kütlesi Testi / Mean Coating Thickness / Mass Testing
- Lokal Kaplama Kalınlığı / Kütlesi Testi / Local Coating Thickness / Mass Testing
- Kaplama Kalınlığı Ölçümü / Coating Thickness Measurement
- Görsel Kontrol / Visual Check

### Mekanik Testler

Destructive Tests

- Soyma testi / Peeling Test,
- Bükme Testi / Bending Test
- Yassılma Testi / Flattening Test

### Kimyasal Analiz

Chemical Analysis

- Spektral Analiz / Spectral Analysis



# BORU GALVANİZLEME PIPE GALVANIZING



## Üretim Standartları / Production Standards :

EN 10240--SI 103-ASTM A53-ASTM A90-SI 918-BS 729-DIN 2444



# ÜRETİM MATRİSİ

## Production Range



\*Üretim matrisinde bütün ebatlar yer almamaktadır. Matriste göremediğiniz ebatlar için lütfen bizim ile irtibata geçiniz.

Tel: 0 328 826 80 80  
E-posta: satis@tosyaliholding.com.tr

\*Not all sizes are indicated in the matrix. For sizes not available at the matrix, please contact us.

Phone: 0 328 826 80 80  
Email: satis@tosyaliholding.com.tr

EBAT	ET KALINLIK WALL THICKNESS(MM)																	
SIZE (MM)	2,0	2,6	3,0	3,2	3,6	4,0	4,5	5,0	5,5	6,0	6,5	7,0	8,0	9,0	10,0	11,0	12,0	13,0
Ø21,3																		
Ø26,9																		
Ø33,7																		
Ø42,4																		
Ø48,3																		
Ø60,3																		
Ø76,1																		
Ø88,9																		
Ø101,6																		
Ø114,3																		
Ø127,0																		
Ø139,7																		
Ø152,4																		
Ø159,0																		
Ø165,1																		
Ø168,3																		
Ø177,8																		
Ø193,7																		
Ø219,1																		
Ø244,5																		
Ø273,0																		
Ø323,9																		
Ø339,7																		



# PROFİL GALVANİZLEME

HOLLOW  
SECTION  
GALVANIZING



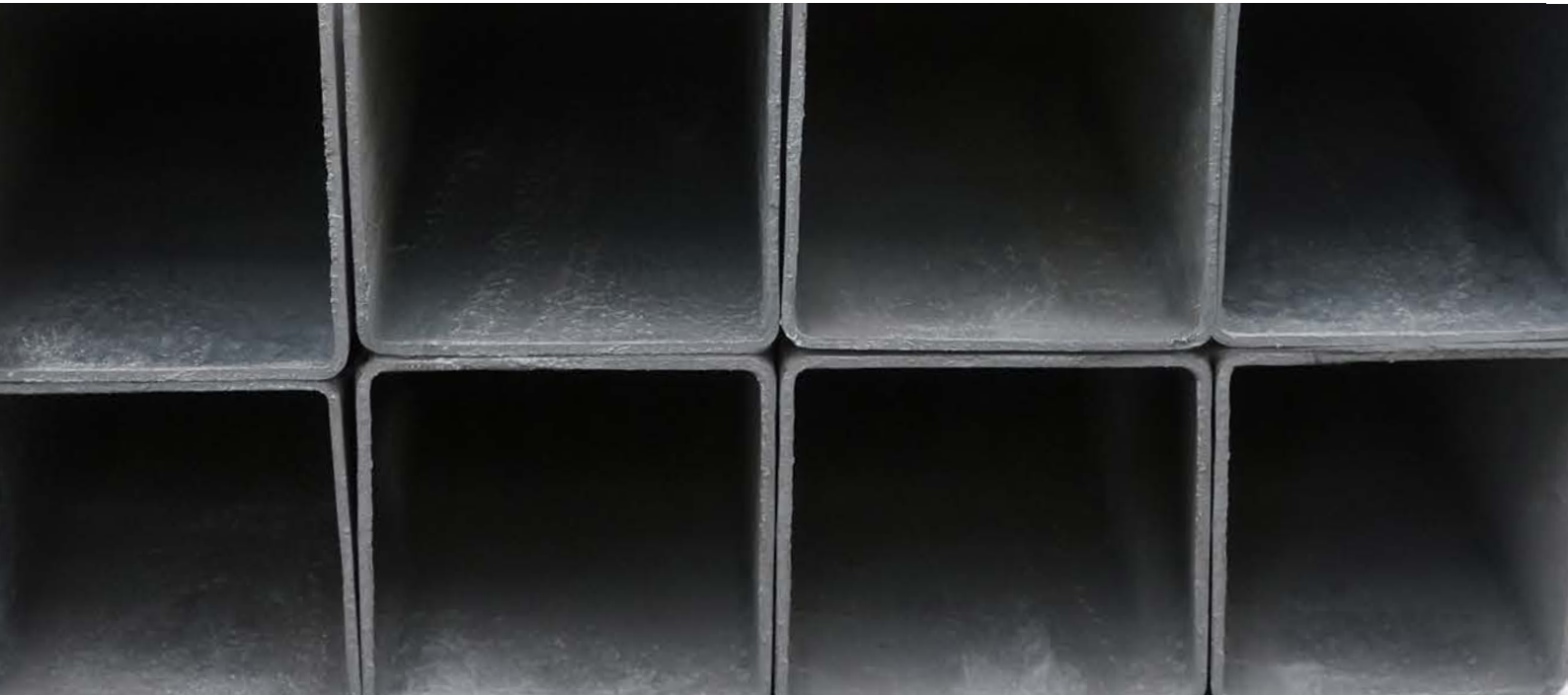
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**Üretim Standartları / Production Standards :**

EN 10240- ASTM A90-SI 918

# ÜRETİM MATRİSİ

## Production Range



\*Üretim matrisinde bütün ebatlar yer almamaktadır.  
Matriste göremediğiniz ebatlar için lütfen bizim ile irtibata geçiniz.

Tel: 0 328 826 80 80 – E-posta: satis@tosyaliholding.com.tr

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For sizes not available at the matrix, please contact us.

Phone: 0 328 826 80 80 - Email: satis@tosyaliholding.com.tr

EBAT	ET KALINLIK WALL THICKNESS(MM)																	
SIZE (MM)	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	8,0	9,0	10,0	11,0	12,0	13,0	
20x20																		
20x40																		
25x25																		
25x50																		
30x30																		
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35x35																		
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150X50																		
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140X100																		
150X100																		
150X150																		
200X100																		
200X150																		
200X200																		
250X150																		
250X250																		
300X200																		



EBAT  SIZE  (MM)	ET KALINLIK WALL THICKNESS(MM)																	
	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	8,0	9,0	10,0	11,0	12,0	13,0	
90X90																		
100X50																		
100X60																		
120X60																		
120X80																		
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140X100																		
150X100																		
150X150																		
200X100																		
200X150																		
200X200																		
250X150																		
250X250																		
300X200																		





# PARÇA GALVANİZLEME

## BATCH GALVANIZING



### Üretim Standartları / Production Standards :

#### ISO 1461

"Malzeme ve Kalınlığı I Materials and Thickness"	"Lokal Kaplama Kalınlığı I Local Coating Thickness (Min.)"		"Ortalama Kaplama Kalınlığı I Average Coating Thickness (Min.)"	
"Çelik Malzemeler I Steel Materials "	gr/m2	µm	gr/m2	µm
≥ 6mm	505	70	505	70
≥ 3mm to < 6mm	395	55	395	55
≥ 1,5mm to < 3mm	325	45	325	45
< 1,5mm	250	35	250	35
"Döküm Malzemeler I Cast Iron Materials "				
≥ 6mm	505	70	505	70
< 6mm	430	60	430	60

#### ASTM A123

Kategori I Category	"Minimum Ortalama I Minimum Average "	"Minimum Ölçüm I Minimum Measurement"	"Minimum Ortalama I Minimum Average "	"Minimum Ölçüm I Minimum Measurement"	"Minimum Ortalama I Minimum Average "	"Minimum Ölçüm I Minimum Measurement"	"Minimum Ortalama I Minimum Average "	"Minimum Ölçüm I Minimum Measurement"	"Minimum Ortalama I Minimum Average "	"Minimum Ölçüm I Minimum Measurement"
Profil I Profile	320 (45)	35	460 (65)	55	605 (85)	75	605 (85)	75	710 (100)	85
Sac I Sheet	320 (45)	35	460 (65)	55	515 (75)	65	605 (85)	75	710 (100)	85
Boru I Pipe	-				515 (75)	65	515 (75)	65	515 (75)	65
Tel I Wire	320 (45)	35	460 (65)	35	460 (65)	55	460 (65)	55	605 (85)	75





# HAVUZ ÖLÇÜLERİ

## Pool Sizes

**GENİŞLİK / WIDTH:** 1,8 m

**DERİNLİK / DEPTH:** 3 m

**UZUNLUK / LENGTH:** 13 m





## Certificate of Authority to use the Official API Monogram

License Number: 5CT-1480

ORIGINAL

The American Petroleum Institute hereby grants to

**TOSCELİK PROFILE AND SHEET IND. CO.**  
**Osmaniye ERW Pipe Facility**  
**Organize Sanayi Bölgesi**  
**Osmaniye, Toprakkale**  
**Turkey**

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In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **5CT-1480**

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The scope of this license includes the following: **Manufacturer of Electric-Welded Casing or Tubing Plain End** at Group 1, H40/PSL 1, J55/PSL 1, K55/PSL 1; **Processor of Casing or Tubing Plain End** at Group 1, J55/PSL 1, K55/PSL 1

QMS Exclusions: Section 7.3, Design and Development; Section 7.5.4, Customer Property

**Effective Date: SEPTEMBER 5, 2012**  
**Expiration Date: SEPTEMBER 5, 2015**

To verify the authenticity of this license, go to [www.api.org/compositelist](http://www.api.org/compositelist).

American Petroleum Institute  
*John D. Madine*  
Director of Global Industry Services



## Certificate of Authority to use the Official API Monogram

License Number: 5L-0945

ORIGINAL

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**Organize Sanayi Bölgesi**  
**Osmaniye, Toprakkale**  
**Turkey**

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The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: **Manufacturer of Line Pipe Plain End at PSL 1: Type of Pipe: HFW / Delivery Condition: R, N, M / Highest Grade: X70; Manufacturer of Line Pipe Plain End at PSL 2: Type of Pipe: HFW / Delivery Condition: R, N, M / Highest Grade: X60; Processor of Line Pipe Plain End at PSL 1; Processor of Line Pipe Plain End at PSL 2**

QMS Exclusions: Section 7.3, Design and Development; Section 7.5.4, Customer Property

**Effective Date: SEPTEMBER 5, 2012**  
**Expiration Date: SEPTEMBER 5, 2015**

To verify the authenticity of this license, go to [www.api.org/compositelist](http://www.api.org/compositelist).

American Petroleum Institute  
*John D. Madine*  
Director of Global Industry Services



## CERTIFICATE

FOR PRODUCT OF MATERIAL MANUFACTURER  
CONFORMING TO  
PRESSURE EQUIPMENT DIRECTIVE 97/23/EC



No : TA 295 12 1868

**Manufacturer** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi, Sarıseki  
İskenderun - HATAY / TURKEY

**In the Factory** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi  
Toprakkale - OSMANİYE / TURKEY

The submitted datum manufacturer has been approved according to Pressure Equipment Directive 97/23/EC

**Product** : Electric Resistance Welded (ERW) Pipes

**Type** : Length : **4 to 14,6 m**  
Outside diameter : **10,3 mm to 339,7 mm**  
Wall Thickness : **0,6 to 13 mm**

The scope of this approval and other details are described in our Technical Report.

All requirements are met.

Beside other the following main preconditions are given:

- Technical equipment for a proper and up-to-date manufacturing and testing.
- A quality assurance which guarantees that manufacturing and inspection of products stated in our report, are carried out in accordance with technical regulations.
- Competent supervising and inspecting personnel.

**Base of certificate** : Final Report No : TSC-PED-270712

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**The validity of Certificate is limited to:** 29 July 2015

Mc. Fatih Cihan ÖNDER  
Issued and signed by TÜV AUSTRIA CERT GMBH

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TÜV AUSTRIA CERT GMBH  
Kugentstraße 16, A-1015  
Wien-AUSTRIA www.tuv.at

Tel : +43 / 1 / 514 07 - 6062  
Fax : +43 / 1 / 514 07 - 6065  
E-mail : cert@tuv.at



## CERTIFICATE

OF FACTORY PRODUCTION CONTROL ACC. TO EN 10208-2  
Steel Pipes for Pipelines for combustible fluids  
Technical Delivery Conditions  
Part 2 : Pipes of requirement class B



Number : TA 295 12 1867

This certificate has been prepared in accordance with Technical Committee's Conclusion EC1SS/TC 29 "Steel Tubes and fittings for steel tubes" and Subcommittee SC 2 "Line Pipes". It has been stated that

**The Construction Product** : The requirements for welded steel pipe that, as a rule, are used to convey combustible fluids, excluding applications for pipelines for combustible fluids

**Type** : According to Standard for Electric Resistance Welded (ERW) Pipes:  
**EN 10208-2:2009**  
Steel Quality : **L245NB, L290NB, L360NB, L415NB, L245MB, L290MB, L360MB, L415MB, L450MB, L485MB**  
Length : **4 to 14,6 m**  
Outside diameter : **10,3 mm to 339,7 mm**  
Wall Thickness : **0,6 to 13 mm**

**Descriptions** : Pressure pipes, Steels, Pipes, Seamed pipes, Welding, Delivery, Unalloyed steels

**Cross References** : EN 473, EN ISO 5173, EN 1011-1 and 2, EN ISO 6892-1, EN 10020, EN 10021, EN 10027-1, EN 10027-2, EN ISO 148-1, EN 10052, EN 10079, EN 10168, EN 10204, EN 10220, EN ISO 10893-2, EN ISO 10893-3, EN ISO 10893-10, EN ISO 10893-11, EN ISO 10893-6, EN ISO 10893-8, EN ISO 10893-9, EN 10256, EN 10266, EN 10274, EN ISO 377, EN ISO 2566-1, EN ISO 6506-1, EN ISO 6508-1, EN ISO 8492, EN ISO 14284, ISO 19232-1, CEN/TR 10261

**Produced by Manufacturer** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

**in the Factory** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi Osmaniye - TURKEY

is submitted by the manufacturer to the initial type-testing of the product a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body TÜV AUSTRIA has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

**of the standard** : EN 10208-2:2009  
**Base of certificate** : Final Report No : TSC-10208-12-01

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**The validity of Certificate is limited to:** 29 July 2014

ON BEHALF OF TÜV AUSTRIA CERT GMBH

**Issued by:**  
Name: Mustafa Şirin  
Sign:

**Validated by:**  
Name: Fatih Cihan ÖNDER  
Sign:

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## SERTİFİKA

EN 10208-2  
FABRİKA ÜRETİM KONTROL SERTİFİKASI  
Yanıcı akışkanlar için boru hatları - Çelik borular  
Teknik teslim şartları  
Bölüm 2: Sınıf B özellikli borular



No : TA 295 12 1867

Bu sertifika, Teknik Komitenin EC1SS/TC 29 "Steel Tubes and fittings for steel tubes" and Subcommittee SC 2 "Line Pipes" kararına göre hazırlanmıştır. İfade edildiği gibi,

**Ürün** : Kural olarak yanıcı akışkan ileten kaynaklı çelik borular için gereksinimler - yanıcı akışkan borulama uygulamaları dışında

**Tip** : Elektrik Direnç Kaynaklı - ERW Borular için EN 10208-2:2009 standardına göre:  
Çelik Kalitesi : **L245NB, L290NB, L360NB, L415NB, L245MB, L290MB, L360MB, L415MB, L450MB, L485MB**  
Boy : **4 to 14,6 m**  
Dış Çap : **10,3 mm to 339,7 mm**  
Et Kalınlığı : **0,6 to 13 mm**

**Tanımlar** : Basıncı borular, Çelik, Boru, Dikili borular, Kaynak, Teslim, Alagsız çelikler

**Referans Standartlar** : EN 473, EN ISO 5173, EN 1011-1 ve 2, EN ISO 6892-1, EN 10020, EN 10021, EN 10027-1, EN 10027-2, EN ISO 148-1, EN 10052, EN 10079, EN 10168, EN 10204, EN 10220, EN ISO 10893-2, EN ISO 10893-3, EN ISO 10893-10, EN ISO 10893-11, EN ISO 10893-6, EN ISO 10893-8, EN ISO 10893-9, EN 10256, EN 10266, EN 10274, EN ISO 377, EN ISO 2566-1, EN ISO 6506-1, EN ISO 6508-1, EN ISO 8492, EN ISO 14284, ISO 19232-1, CEN/TR 10261.

**Üretici** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

**Fabrika** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi Osmaniye - TURKEY

Üretici tarafından teslim edilen fabrika üretim kontrol ilk tip testlerini ve fabrika test planı doğrultusunda fabrikada numune alınarak yapılan ilave testlerini ve sertifikasyon kuruluşu olarak TÜV AUSTRIA'nın gerçekleştirdiği, fabrikanın birinci gözetimi ve onun fabrika üretim kontrolünü ve sürekli gözetim performansını ve fabrika üretim kontrolünü onaylar.

**Standart** : EN 10208-2:2009  
**Sertifikanın dayanağı** : Final Report No : TSC-10208-12-01

Bu sertifika ilk kez 29 Temmuz 2012'de düzenlenmiştir. İmalatçı üretim ve kalite sisteminde veya çelik boruların kapsamında ciddi değişikliklere neticesinde her türlü faaliyet hakkında kuruluşu bildirmek zorundadır. Yayınlanmış sertifikanın koşullarına aykırı herhangi bir durum meydana geldiğinde, kuruluş sertifikanın geçerliliğini askıya alabilir veya sertifika iptal edilebilir.

**Sertifikanın Geçerliliğinin Bittiği Tarih:** 30 Temmuz 2014

TÜV AUSTRIA CERT GMBH ADINA

**Hazırlayan:**  
İsim: Mustafa Şirin  
İmza:

**Onaylayan:**  
İsim: Fatih Cihan Önder  
İmza:

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E-mail : cert@tuv.at



## Quality-Assurance Systems for Pipe Manufacturer according to Directive 97/23/EC (Pressure Equipment)



Number: TA 295 12 1866

In compliance the directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment, it has been stated that

**The Construction Product** : Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties

**Type** : According to Standard for Electric Resistance Welded (ERW) Pipes :  
**EN 10217-1:2002**  
Steel Quality : **P195 TR1, P235 TR1, P265 TR1, P195 TR2, P235 TR2, P265 TR2, S235, S275, S355 Series**  
Length : **4 to 14,6 m**  
Outside diameter : **10,3 mm to 339,7 mm**  
Wall Thickness : **0,6 to 13 mm**

**Produced by Manufacturer** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

**in the Factory** : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
Organize Sanayi Bölgesi Osmaniye - TURKEY



is submitted by the manufacturer to the initial type-testing of the product a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body TÜV Austria has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in the Annex ZA.

**of the standard** : EN 10217-1  
**Base of certificate** : Final Report No : TSC-10217-12-01

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**Date/Place : 30 July 2012** **Expiry Date: 29 July 2014**

ON BEHALF OF TÜV AUSTRIA CERT GMBH

**Issued by:**  
Name: Mustafa ŞİRİN  
Sign:

**Validated by:**  
Name: Fatih Cihan ÖNDER  
Sign:

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E-mail : cert@tuv.at






**EC Declaration of Conformity**

We

**TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.**  
Organize Sanayi Bölgesi Osmaniye - TURKEY  
Tel: +90 328 826 80 80 Faks: +90 328 826 80 89  
Web: [www.tosyalholding.com.tr](http://www.tosyalholding.com.tr)

declare under sole responsibility that  
Non-alloy Steel Tubes suitable for welding and threading, in conformity with

**European Standard EN 10255:2004 + A1:2007**

meet all requirements of EC Directive on Structural Products 89/106/EEC, amended by European Commonwealth Council Directive 93/68/EEC.

Tosçelik Profil ve Sac Endüstrisi A.Ş. has approved Quality Management System on screwed and socketed steel tubes and tubular and for plain end steel tubes production in accordance with EC Directive 89/106/EEC, amended by European Commonwealth Council Directive 93/68/EEC, on structural products with respect to steel products corresponding to Annex ZA of European Standard EN 10255:2004+A1:2007 (Essential Requirements specified in Table ZA.1 and Corresponded Clauses 8.7, 8.2 – Table 1, 8.4.3 to 8.4.6, 8.5, 8.6 and 7.4 of that standard).

Quality Assurance System and Factory Production Control of material manufacturer was verified and approved by the following European authorized and notified organisations for technical approvals;



Records on initial type testing of specified products are saved in Factory Production Control Archive of Manufacturer.



Certificate No : TAT-012 01 76, Date : 30 July 2012

**Manufacturer**  
TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.  
(Authorized Signature and Title)

**EU Representative**  
ON BEHALF OF TÜV AUSTRIA  
(Authorized Signature and Title)

HAKAN ÖZDEMİR  
Plant Manager  
TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.

FATİH CİHAN ÖNDER  
General Manager  
TÜV AUSTRIA TURK LTD.

**CERTIFICATE OF FACTORY PRODUCTION CONTROL**  
ACCORDING TO AWWA C210

No : TAT-012 01 588

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on AWWA C210 Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines and AWWA C210.

<b>Product</b>	: Liquid-Epoxy coating for the interior of steel pipes and fittings; requirements and testing
<b>Type</b>	: Liquid-Epoxy lined and/or coated electric resistance welded (ERW) pipes and fittings according to relevant standard : Length : <b>4 to 14,6 m</b> Outside diameter : <b>60,3 mm to 339,7 mm</b> Interior Lining and Coating Thickness : <b>min 406 µm</b>
<b>Descriptions</b>	: Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, liquid-epoxy, lining, coating
<b>Reference Standards</b>	: ASTM D3363, ASTM D4541, ASTM D4572, AWWA C203, AWWA C209, AWWA C214, AWWA C215, AWWA C216, AWWA C217, NACE RP0189, NACE No.1, NACE No.2, SSPC PA 2 and 3, SSPC SP1, SSPC SP5, SSPC SP10, SSPC VIS 1 1989
<b>Manufacturer</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Iskenderun / Hatay - TURKEY
<b>in the Factory</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Osmaniye - TURKEY


TÜV Austria, certifies by the manufacturer to the production and initial type-testing of the epoxy coated or lined pipes a factory production control and to the further lining or coating testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control in the above production ranges accordance with the requirements of AWWA C210.


**of the standard** : AWWA C210-08, AWWA Standard for Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines

**Base of certificate** : Final Report No : TOS-C210-2013-01

This certificate was first issued on 28 February 2013. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included epoxy coated or lined pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**The validity of Certificate is limited to:** 27 February 2015

**Issued by:**  
Name: Mustafa SIRIN  
Sign: 


**Validated by:**  
Name: Fatih Cihan ÖNDER  
Sign: 

ON BEHALF OF TÜV AUSTRIA TURK

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**TÜV AUSTRIA TURK**  
Onek Plaza, Ekinler Cad. Ertürk Sok.  
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Kavack - Beykoz / Istanbul / TÜRKİYE

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**"Dedal - Attestation and Certification" Ltd. Bulgaria**

Notified body №1922

Parter, 50 block, j. k. "Mladost"  
8230 Nesebar  
Bulgaria

**EC CERTIFICATE**  
of  
Factory Production Control  
1922 - CPD - 0182

In compliance with 'Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC)' (the Construction Products Directive or CPD), as amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Hot finished structural hollow sections for steel structures of non-alloy steels-S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S355K2H, circular, square and rectangular forms, Thickness: 2.0 mm to 13.0 mm,

placed on the market by

**TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.**

Organize Sanayi Bölgesi, Toprakkale, OSMANİYE, TURKEY

and produced in the factory in

Organize Sanayi Bölgesi Toprakkale, OSMANİYE, TURKEY

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1922 - "Dedal - Attestation and Certification" Ltd. - has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standard

EN 10210-1:2006

were applied.

This certificate was first issued on 27 March 2013 and remains valid as long as the conditions laid down in the harmonized technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.



Issued: Nesebar, 27 March 2013

Manager:   
eng. Anna Vasileva

Verification of validity of the issued certificates can be done in the register of certificates on [www.dedal-bg.net](http://www.dedal-bg.net)



**"Dedal - Attestation and Certification" Ltd. Bulgaria**

Notified body №1922

Parter, 50 block, j. k. "Mladost"  
8230 Nesebar  
Bulgaria

**EC CERTIFICATE**  
of  
Factory Production Control  
1922 - CPD - 0148

In compliance with 'Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC)' (the Construction Products Directive or CPD), as amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS-CIRCULAR, SQUARE AND RECTANGULAR FORMS,

placed on the market by

**TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.**

Organize Sanayi Bölgesi, Toprakkale, OSMANİYE, TURKEY

and produced in the factory in

Organize Sanayi Bölgesi Toprakkale, OSMANİYE, TURKEY


is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1922 - "Dedal - Attestation and Certification" Ltd. - has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standards


EN 10219-1:2006

were applied.



This certificate was first issued on 21.11.2012. and remains valid as long as the conditions laid down in the harmonized technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly. The certificate is supported through annual surveillance audits and is reissued after each surveillance audit. This certificate should be reissued not later than 21.11.2013.



Issued: Nesebar, 21 November 2012

Manager:   
eng. Anna Vasileva

Verification of validity of the issued certificates can be done in the register of certificates on [www.dedal-bg.net](http://www.dedal-bg.net)

**CERTIFICATE OF FACTORY PRODUCTION CONTROL**  
ACCORDING TO AWWA C222

Number : TAT-012 01 586

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on AWWA C222 Polyurethane Coatings for the Interior & Exterior of Steel Water Pipe & Fittings.

<b>Product</b>	: Polyurethane coating for the interior of steel pipes and fittings; requirements and testing
<b>Type</b>	: Polyurethane coated electric resistance welded (ERW) pipes and fittings according to relevant standard : Length : <b>4 to 14,6 m</b> Outside diameter : <b>60,3 mm to 339,7 mm</b> Interior Coating Thickness : <b>min 500 µm</b>
<b>Descriptions</b>	: Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, polyurethane, coating
<b>Reference Standards</b>	: AWWA C203, AWWA C209, AWWA C210, AWWA C216, AWWA C217, ASTM D522, ASTM D543, ASTM D570, ASTM D2240, ASTM D2794, ASTM D4060, ASTM D4417, ASTM D4541, ASTM G95, NACE RP-0188, SSPC PA 1, SSPC PA 2, SSPC PA 3, SSPC SP 1, SSPC SP 10/NACE No.2, SSPC VIS 1 1989
<b>Manufacturer</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Iskenderun / Hatay - TURKEY
<b>in the Factory</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Osmaniye - TURKEY


TÜV AUSTRIA, certifies by the manufacturer to the production and initial type-testing of the polyurethane coated pipes a factory production control and to the further lining or coating testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control in the above production ranges accordance with the requirements of AWWA C222.


**of the standard** : AWWA C222-08, AWWA Standard for Polyurethane Coatings For The Interior & Exterior Of Steel Water Pipe & Fittings

**Base of certificate** : Final Report No : TOS-C222-01

This certificate was first issued on 28 February 2013. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included polyurethane coated or lined steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**The validity of Certificate is limited to:** 27 February 2015

**Issued by:**  
Name: Mustafa SIRIN  
Sign: 



**Validated by:**  
Name: Fatih Cihan ÖNDER  
Sign: 

ON BEHALF OF TÜV AUSTRIA TURK

\*The duplication of this document in parts is subject to the approval by TÜV AUSTRIA TURK\*

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Onek Plaza, Ekinler Cad. Ertürk Sok.  
No: 4/13, Kat:5 ve 6 Pk:34810  
Kavack - Beykoz / Istanbul / TÜRKİYE

Tel.: +90 216 537 08 11  
Tel.: +90 216 537 08 12  
Fax: +90 216 537 08 13  
E-mail : office@tuv-turk.com

**CERTIFICATE OF FACTORY PRODUCTION CONTROL**  
ACCORDING TO DIN 30670

Number : TAT-012 01 587

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on DIN 30670 Polyethylene coatings of steel pipes and fittings - Requirements and testing.

<b>Product</b>	: Polyethylene coatings of steel pipes and fittings; requirements and testing
<b>Type</b>	: Polyethylene coated electric resistance welded (ERW) pipes and fittings according to relevant standard : Length : <b>4 to 14,6 m</b> Outside diameter : <b>21,3 mm to 339,7 mm</b> Coating Thickness : <b>1,8 mm to 3,7 mm</b>
<b>Descriptions</b>	: Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, polyethylene, coating
<b>Reference Standards</b>	: DIN 2448, DIN 2458, DIN 30674 Part 1, DIN 50 049, DIN 53 387, DIN 53 455, DIN 53 735, DIN 55 928 Part 4, DIN VDE 0303 Part 3, DIN VDE 0433 Part 2, ASTM G 8-90
<b>Manufacturer</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Iskenderun / Hatay - TURKEY
<b>in the Factory</b>	: <b>TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.</b> Organize Sanayi Bölgesi Osmaniye - TURKEY


TÜV Austria certifies by the manufacturer to the production and initial type-testing of the polyethylene coated pipes a factory production control and to the further coating testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control in the above production ranges accordance with the requirements of DIN 30670.


**of the standard** : DIN 30670:2012 Polyethylene coatings of steel pipes and fittings - Requirements and testing

**Base of certificate** : Final Report No : TOS-30670-2013-01

This certificate was first issued on 28 February 2013. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included polyethylene coated steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

**The validity of Certificate is limited to:** 27 February 2015

**Issued by:**  
Name: Mustafa SIRIN  
Sign: 

**Validated by:**  
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Sign: 

ON BEHALF OF TÜV AUSTRIA TURK

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