



# **ABOUT US**

We started our journey under the umbrella of Kuzeyfalt in 2013 by adding our service approach that we believe will make a difference to the knowledge, experience and experience we gained in the asphalt sector, which we entered at the beginning of 2008. Since the day we were founded, we have aimed to respond to the-asphalt related problems and needs of Highways, Contractors, Special Administrations and Municipalities.

Kuzeyfalt is a company founded on mutual trust, quality product understanding and customer satisfaction. We do not sell any product whose quality and benefits we do not believe in. We offer products whose quality and benefits are confirmed by tests and field applications to the end user with the mentality of a prudent trader.

As Kuzeyfalt, the products we sell have been tested by the laboratories of the manufacturer and relevant institutions, and their suitability for asphalt and their benefits have been technically documented. In addition, we supply original samples of our products to companies or institutions that have the necessary equipment and technical personnel to test our products.

Among the asphalt chemicals we sell under the umbrella of Kuzeyfalt; There are Anti Stripping Asphalt Additives, Cold Asphalt Patch Additives and Cationic Asphalt Emulsifiers. Along with these; We are also the supplier of Modified Bitumen Additive, Stone Mastic Asphalt Additive and Chemical Intermediates used in the Asphalt industry.

As Kuzeyfalt, we set out to sell high quality products at the right prices. The products we supply are produced in accordance with quality, environmental health and occupational health and safety standards. We continue our journey by constantly questioning the satisfaction of our customers since the date of our establishment...

# PRODUCTS WE SELL

# New Generation Of Anti-Stripping Asphalt Admixture

We have seven additives in liquid form designed according to the type and structure of aggregate used in asphalt production.

- Asf Pe 280
- Asf Pe 285
- Asf An 200
- Asf An 275
- Asf An 260
- Asf An 290
- Asf An 300

# Cold Asphalt Patch Additive

It produces the asphalt needed to be used in patch work during the winter months in one go, allowing it to be stored for long periods without a significant loss of viscosity. It is a special additives in liquid form that makes the produced asphalt suitable for use all at once or at intervals.

- Asf Cold Mix Plus
- Asf Cold Mix
- Asf Cold Mix Eco

# Cationic Asphalt Emulsifiers

It was developed for cationic asphalt emulsions that cut at fast and medium speed. They are emulsifiers in liquid form that provide the perfect balance of the bitumen phase and the aqueous solution.

- Asf Ce 120 T
- Asf Ce 100
- Asf Bet 45
- Modified Bitumen Additive
- Stone Mastic Asphalt Additive (Cellulosic fiber)
- Calcium Chloride
- Trichlorethylene
- Tetrachlorethylene
- Acid

# **Bitumen Additive to Prevent Peeling and Increase Adhesion**

Bitumen additive increase peel strength; they are used in Bituminous Hot Mix and Bituminous Surface Coatings to reduce moisture-related damage to the aggregate and water-based damage to the surface as a result of external factors. Anti-stripping additives and aggregates are alkaline or acidic. This chemical situation determines the additive - aggregate performance. However, the use of correct additives increases the bond strength between the bitumen and the aggregate, providing stronger adhesion, which increases the durability of the coating. The use of amine-based additives is quite common around the world. In addition to amine additives, phosphoric acid, organic esters and silane based additives have recently been used.

Bituminous coatings are the preferred road surface coatings all over the world due to their cost, ease of maintenance and repair, and comfort. If we consider the causes of deterioration on the surface of coatings, insufficient adhesion and peeling come first. In surface coating and hot mixtures, water can separate bitumen from aggregate as a result of some factors. This situation cannot be prevented once it starts, and the traffic loads on the road further accelerate this occurrence.

The rate of peeling occurring; The paving compression degrees of asphalt vary depending on the aggregate type, bitumen viscosity and structure. Whether asphalt is applied in hot or cold weather is not a direct reason for the use of anti-stripping additives. However, in regions with extreme heat and intense humidity, more attention should be paid to the additive used when applying surface coating. Because choosing the wrong additive or using high dosages of additives reduces the softening point of bitumen.

As a result, the peeling situation encountered in many asphalt pavements can be prevented to a large extent by using additives that are compatible with the aggregate and do not disrupt the structure of the bitumen, in proportions determined by experiments. Homogeneous mixing of the additive with bitumen is another important criterion in terms of performance.

# **About Our Anti-Stripping Bitumen Additives**

- Compact products prepared as a result of long-term R&D studies
- Domestic production made entirely by Turkish engineers, with 100% domestic capital
- Product Analysis Report containing chemical details for each batch of product shipped
- Product designs formulated based on aggregates with high water absorption
- Problem-free use in both Bituminous Hot Mix and Surface Coatings
- Strengthening the indirect tensile strength of asphalt mixture
- Lower usage rates and higher performance compared to equivalent products
- It exhibits excellent heat resistance in bitumen at high temperatures (150-180°C).
- Long-term protection against the negative effects of water on the bituminous coating
- Lower tire mark rates observed compared to pure asphalt applications
- Homogeneous mixture resulting from easy dissolution in bitumen
- Provides a protective effect against damage caused by harmful sun rays on asphalt.



# **ASF PE 280**

# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

## PRODUCT SPECIFICATION

Color: Misty yellowAppearance: Viscous liquidViscosity 25°C cP:  $\sim 750$  mPa.sDensity 25°C: 1.20 g/cm3

Ph :  $\sim 1$ Flash Point :  $> 150 \, ^{\circ}\text{C}$ Acid Number :  $\sim 130$ 

## **PROPERTY**

**Asf Pe 280** is a liquid bitumen additive with an phosphate ester chemical structure that increases the attraction force between bitumen and aggregates in asphalt and prevents them from separating and peeling.

#### **ADVANTAGES**

- It can be used in hot mix and surface coating asphalts.
- It transforms the hydrophilic aggregate into a hydrophobic structure.
- It provides effective performance especially in metamorphic and sedimentary aggregates.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

## **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

#### **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 - 40 °C before opening, avoid storing in direct sunlight.

# **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

## **SAFETY PRECAUTIONS**



# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

#### PRODUCT SPECIFICATION

Color: Dark BrownAppearance: Viscous liquidViscosity 25°C cP: < 100 mPa.s</th>Density 25°C: 1.03 g/cm3

**Ph** : ~ 9

Acid Number: < 5 mg KOH/g</th>Amine Number: > 25 mg KOH/g

Flash Point :> 150 °C

## **PROPERTY**

**Asf An 200** is a liquid bitumen additive with an amine chemical structure that increases the attraction force between bitumen and aggregates in asphalt and prevents them from separating and peeling.

## **ADVANTAGES**

- It can be used in hot mix and surface coating asphalts.
- It transforms the hydrophilic aggregate into a hydrophobic structure.
- Provides effective performance especially on sedimentary stones.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

## **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

# **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 - 40  $^{\circ}$ C before opening, avoid storing in direct sunlight.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

# **SAFETY PRECAUTIONS**



# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

## PRODUCT SPECIFICATION

Color : Yellow

Appearance : Viscous liquid Viscosity °C cP : ~ 500 mPa.s Density 25 °C : 0.97 g/cm3

**Ph** : ~ 11

Number of amines :  $> 25 \text{ mg KOH/g } (\pm 2)$ 

Acid İndex: 0 mg KOH/gFlash Point: > 150 °C

## **PROPERTY**

**Asf An 275** is a liquid bitumen additive with an amine chemical structure that increases the attraction force between bitumen and aggregates in asphalt and prevents them from separating and peeling.

## **ADVANTAGES**

- It can be used in hot mix and surface coating asphalts.
- It transforms the hydrophilic aggregate into a hydrophobic structure.
- It is an economical additive that can work in limestone and basalt aggregates.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

#### **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

## **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 -  $40\,^{\circ}\text{C}$  before opening, avoid storing in direct sunlight.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

# **SAFETY PRECAUTIONS**



# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

#### PRODUCT SPECIFICATION

**Color** : Yellow

**Appearance** : Viscous liquid **Viscosity 25°C cP** : < 6000 mPa.s

pH : ~ 11

 Density 25°C
 : 0.95 g/cm3

 Acid Number
 : 60 - 70 

 Amine Number
 : 150 - 160 

 Flash Point
 : >  $150 \, ^{\circ}$ C

#### **PROPERTY**

**Asf An 260** is an amine chemical structured liquid bitumen additive that increases the attraction force between bitumen and aggregates in asphalt and prevents them from separating and peeling. It remains stable for long periods of time without any change in its activity in bitumen at high storage temperatures.

#### **ADVANTAGES**

- Can be used on both hot mix and surface coating asphalts
- It is designed for aggregates with high water absorption.
- It can work on both limestone and basalt derived aggregates.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

#### **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

## **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 - 40 °C before opening, avoid storing in direct sunlight.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

# **SAFETY PRECAUTIONS**



# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

# PRODUCT SPECIFICATION

Color : Amber

**Appearance** : Viscous liquid **Viscosity 25°C cP** : ~ 1500 mPa.s

**pH** : 9.9

**Density 25°C** : 1.04 g/cm<sup>3</sup>

Acid Number : < 10 Amine Number : 200 - 220 Flash Point : > 150 °C

## **PROPERTY**

**Asf An 290** is an amine chemical structured liquid bitumen additive that increases the attraction force between bitumen and aggregates in asphalt and prevents them from being separated and peeled. It remains stable for long periods of time without any change in its activity in bitumen at high storage temperatures.

## **ADVANTAGES**

- Can be used on both hot mix and surface coating asphalts
- It is designed for aggregates with high water absorption.
- It can provide effective results on a wide range of aggregates.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

#### **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

#### **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 - 40 °C before opening, avoid storing in direct sunlight.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

## SAFETY PRECAUTIONS



# **Anti-Stripping and Bond Strengthening Additive for Bituminous Mixtures**

# PRODUCT SPECIFICATION

Color : Brown

**Appearance** : Viscous liquid **Viscosity 25°C cP** : ~ 200 mPa.s

**Ph** :9

Density 25 °C: 0.91 g/mlAcid Number: > 50Amine Number: ~ 100Flash Point: >  $150 \, ^{\circ}$ C

## **PROPERTY**

**Asf An 300** is a liquid bitumen additive with an alkylamine chemical structure that increases the attraction force between bitumen and aggregates in asphalt and prevents them from separating and peeling.

# **ADVANTAGES**

- It can be used in hot mix and surface coating asphalts.
- It transforms the hydrophilic aggregate into a hydrophobic structure.
- Provides effective performance especially on volcanic stones.
- It ensures that the mechanical stability of asphalt is maintained.
- It adapts to bitumen without changing its physical properties.

#### **DOSAGE**

Although it depends on the peeling resistance of the aggregate used; On average, between 0.1% and 0.4% of the bitumen amount is used.

# **STORAGE**

The shelf life is 24 months from the date of production when stored between 0 - 40 °C before opening, avoid storing in direct sunlight.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

#### **SAFETY PRECAUTIONS**



# ABOUT COLD ASPHALT PRODUCTION

# **Advantages of Using Cold Asphalt**

- It can be applied even in very cold weather during winter months.
- It is a simpler and more flexible application than hot asphalt.
- It provides the opportunity to produce and stock patches to meet all needs at once.
- It provides great savings in terms of energy, labor and time.
- It can remain in storage for a long time without serious loss of stability.
- Packaged asphalt can be stored for a least of 6 months under suitable conditions.
- It does not require the use of a separate primer during application.
- It can be used easily on all kinds of asphalt and concrete surfaces.
- It can be used as a wearing layer in areas with low traffic.
- It has a simpler and more flexible application than hot asphalt.
- It gives more successful results in low penetration bitumens.
- After laying and compacting, the road is immediately opened to traffic.

# **Things to Consider for a Good Application**

- Technical support should be received from the supplier for the first production.
- If there is mud and water accumulation in the existing pit, it is cleaned.
- The fact that the pit is moist does not pose a problem for the application.
- The produced asphalt is compacted after being distributed homogeneously in the pit.
- After the produced asphalt is distributed homogeneously in the pit, it is compressed.
- Compaction with a compactor or patch roller gives the ideal result.
- In cold asphalt application, the air temperature should not be below -10°C.
- Additive dosage rate varies depending on regional climate and bitumen penetration.
- On average, 6 10 kg of additives are used in the production of 1 ton of cold asphalt.
- The quality of the additive used in the usage rate is a very important variable.
- If cold asphalt will be stored without packaging, the additive rate is increased.
- Cold asphalt stored in open areas should not be contacted with snow and rain.
- The ideal temperature range is 110-130°C for bitumen and 90-110°C for aggregate.
- The amount of bitumen is approximately 4% of the aggregate in the mixer.
- Low viscosity bitumens give the best results in cold asphalt production.
- If a high viscosity bitumen is to be used, the additive rate should be increased.
- After the aggregate is mixed homogeneously with the bitumen, the additive is added.
- The additive should be added to the mixture in the mixer, not to the bitumen tank.
- The total mixing time in the asphalt plant is 50 seconds on average.
- The maximum aggregate size to be used in cold asphalt production is 9mm.
- Aggregate size can be up to 12mm in necessary cases.

NOTE: This article, which we have prepared with the current knowledge and experience, is for informational purposes only and is not a guarantee or commitment. It only covers our products and does not set a precedent for competing products, and cannot be used for commercial purposes or without permission. You can contact our company for detailed information and technical support.



# **ASF COLD MIX PLUS**

# **Cold Asphalt Patch Additive**

## PRODUCT SPECIFICATION

**Color** : Brown

Appearance: Viscous liquidViscosity 25°C: 10 - 15 mPa.sDensity 25°C cP: 0.87 g/cm3

pH :  $\sim 4$ Acid Number : < 20Flash Point : >150 °C

#### **PROPERTIES**

**Asf Cold Mix Plus** is an additive used in the production of Asphalt Patch Material, which is preferred for its easy application feature in the repair and maintenance of asphalt roads in winter months. Preserves the workability of the produced asphalt mixture, whether packaged or unpackaged, allowing it to be stored for long periods of time.

# **APPLICATION AND ADVANTAGES**

**Asf Cold Mix Plus** is added manually through the dosing pump or through the mixer window during cold asphalt production. The asphalt mixture produced with Asf Cold Mix can be easily applied even at low temperatures.

#### DOSAGE

The dosage of **Asf Cold Mix Plus** varies between 15 % and 20 % of the bitumen weight, depending on the climatic conditions and the bitumen type.

## **STORAGE**

**Asf Cold Mix Plus** is suitable for use for 24 months from the date of manufacture if stored away from direct sunlight and frost.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

## **SAFETY PRECAUTIONS**

Avoid contact with skin and eyes during storage and application. In case of contact rinse immediately with plenty of water, seek medical advice urgently if swallowed. Consult the MSDS form of the product for safety and warning instructions.



# **Emulsifer For Fast And Medium Speed Cationic Asphalt Emulsions**

## **ASF CE 120 T**

#### PRODUCT SPECIFICATIONS

Color : Red

**Viscosity 25°C cP** : < 100 mPa.s **Density 25°C** : 1.13 g/cm3

**Ph** : ~ 9

**Number of amines** : ~ 155 mgKOH/g

**Acid Number** : < 5

**Usage Rate**: Average %0.2 to %0.3

**Emulsion performance**: Perfect

# **ASF CE 100**

## PRODUCT SPECIFICATIONS

Color: BrownViscosity 25°C cP: < 100 mPa.s</th>Density 25°C: 1.13 g/cm3

**Ph** : ~ 9

**Number of amines** : 140 - 160 mgKOH/g

**Acid Number** : < 5

**Usage Rate** : Average %0.2 to %0.4

**Emulsion performance**: Good

# **ASF BET 45**

## **PRODUCT SPECIFICATIONS**

Color: Light yellowViscosity 25°C cP: < 100 mPa.s</th>Density 25°C: 1.06 g/cm3

**Ph** : 5.3 **Ion structure** : Cationic

**Usage Rate** : Average %0.4 to %0.8

**Emulsion performance** : Middle

#### **STORAGE**

It is suitable for use for a minimum of 12 months from the date of production if stored correctly between 0  $^{\circ}$ C and +40  $^{\circ}$ C in its original unopened and undamaged packaging, protecting it from direct sunlight and frost.

#### **PACKING**

Supplied in IBC Tanks, Sheet Metal Barrels and Polyethylene Drums.

#### **SAFETY PRECAUTIONS**

Skin and eye contact should be avoided during storage and application. In case of contact, wash immediately with plenty of water, and if swallowed, seek urgent medical attention. For safety and warning notices, please review the Safety Data Sheet.

**NOTE:** The information given below is the most accurate value we obtain in the laboratory and operating conditions. However, users should check these values under their own operating conditions.

# **R&D AND INNOVATION**

R&D and innovation are indispensable parts for a company operating in the chemical field. Kuzeyfalt Kimya has taken a leading role in the asphalt industry in which it has been operating since 2013, with the innovative solutions it offers to public institutions and contractor companies.

In addition to new product development, performance tests are also carried out in our R&D along with the innovation of existing products. Our aim here is not just about conducting existing tests in the literature and reporting them to our customers. Along with the performance of a product in different variables, non performance parameters are also observed. (Such as stock life depending on storage conditions, stability re sistance at high bitumen temperatures, viscosity variability depending on air temperatures, etc.) In this way, uncertainties that may occur in the field are minimized and any problems that may occur can be resolved quickly.

In today's world, a chemical company that aims to provide services on a national and global scale can be strong in proportion to its R&D, maintain its dynamism and survive with the innovative solutions it offers to the problems its customers may encounter in the field.

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1 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / ISTANBUL
2 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / İZMİR
3 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / KONYA
5 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / MERSIN
6 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / KAYSERİ
9 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / DİYARBAKIR
10 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / TRABZON
11 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / VAN
                                                      / ANTALYA
13 st REGIONAL DIRECTORATE OF HIGHWAYS
14 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / BURSA
15 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / KASTAMONU
16 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / SİVAS
18 st REGIONAL DIRECTORATE OF HIGHWAYS
                                                      / KARS
ISFALT (ISTANBUL ASPHALT FACTORIES)
                                                      / ISTANBUL
EDİRNE SPECIAL ADMINISTRATION
                                                      / EDIRNE
CORUM SPECIAL ADMINISTRATION
                                                      / ÇORUM
KARABÜK SPECIAL ADMINISTRATION
                                                      / KARABÜK
                                                      / AKSARAY
AKSARAY SPECIAL ADMINISTRATION
UŞAK SPECIAL ADMINISTRATION
                                                      / UŞAK
YOZGAT SPECIAL ADMINISTRATION
                                                      / YOZGAT
SINOP SPECIAL ADMINISTRATION
                                                      / SINOP
CANAKKALE SPECIAL ADMINISTRATION
                                                      / ÇANAKKALE
IZBETON I.C.
                                                      / izmir
SAKARYA METROPOLITAN MUNICIPALITY
                                                      / SAKARYA
MERSIN METROPOLITAN MUNICIPALITY
                                                      / MERSIN
ADANA METROPOLITAN MUNICIPALITY
                                                      / ADANA
ORDU METROPOLITAN MUNICIPALITY
                                                      / ORDU
AKSARAY MUNICIPALITY
                                                      / AKSARAY
ALANYA MUNICIPALITY
                                                      / ANTALYA
KIRIKHAN MUNICIPALITY
                                                      / HATAY
DOĞUBEYAZIT MUNICIPALITY
                                                      / AĞRI
ATILIM UNIVERSITY
                                                      / ANKARA
IZMÍR - ISTANBUL MOTORWAY
                                                      / NÖMAYG
NİĞDE - ANKARA MOTORWAY
                                                      / ERG BUILD I.C.
3. BRIDGE, NORTH MARMARA MOTORWAY
                                                      / ICA İÇTAŞ - ASTALDI S.p.A
ANKARA, SİVAS, UKRAINIAN PROIECTS
                                                      / ONUR UNDERTAKING I.C.
TASHKENT ROAD CONSTRUCTION
                                                      / JV LLC - G. ROAD TASHKENT
FREETOWN AIRPORT CONSTRUCTION
                                                      / SUMMA BUILD
ZANZIBAR ROAD CONSTRUCTION
                                                      / İRİS I.C.
AL KUFRAH ROAD CONSTRUCTION
                                                      / MODİFALT
MALATYA AND NORTH M. MOTORWAY
                                                      / KOLİN I.C.
NORTH MARMARA MOTORWAY
                                                      / LIMAK I.C.
                                                      / NUROL I.C.
EYISTE VIADUCT PROJECT
ALL ROAD PROJECTS IN TURKEY
                                                      / MAKYOL I.C.
ALL ROAD PROJECTS IN TURKEY
                                                      / BAYBURT GROUP
BARTIN AND ERZURUM PROJECT
                                                      / ÇELİKLER BUILD I.C.
KARABÜK AND AZERBAIJAN PROJECT
                                                      / POLAT ROAD CONSTRUCTION
KONYA - EREĞLİ CONSTRUCTION
                                                      / ÖZDEMİR - EKO PARTNERSHIP
TOKAT - NİKSAR ROAD CONSTRUCTION
                                                      / DOĞUŞ - YDA PARTNERSHIP
HOPA - BORÇKA TUNNEL CONSTRUCTION
                                                      / NAS-YSE PARTNERSHIP
BURSA CONSTRUCTION
                                                      / GÖÇAY BUILD I.C.
IĞDIR, AĞRI AND SİİRT CONSTRUCTIONS
                                                      / BURAKCAN I.L.C.
RİZE, VAN AND KARS CONSTRUCTIONS
                                                      / DEMCE CONSTRUCTION INC.
AMASYA CONSTRUCTIONS
                                                      / KİSKA KOMANDİT I.C.
KIRŞEHİR AND KAYSERİ CONSTRUCTIONS
                                                      / AYDIN BUILD I.C.
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SAMSUN ROAD CONSTRUCTIONS
                                                       / SARIOSMANOĞLU BUILD
ALL ROAD PROJECTS IN TURKEY
                                                       / ZİVER BUILD I.C
ALL ROAD PROJECTS IN TURKEY
                                                       / HELTAŞ BUILD
                                                       / OZE GROUP
ALL ROAD PROJECTS IN TURKEY
CANAKKALE CONSTRUCTION
                                                       / STY BUILD I.C.
KARS AIRPORT CONSTRUCTION SITE
                                                       / GENA BUILD I.C.
ERZURUM, AĞRI, BALIKESİR PROJECT
                                                       / NESCE BUILD I.C.
KIRIKKALE CONSTRUCTION
                                                       / BERGİZ BUILD I.C.
MUŞ AND VAN CONSTRUCTIONS
                                                       / DOĞU BUILD I.C.
ORDU AND FATSA CONSTRUCTIONS
                                                       / AKTEN BUILD I.C.
TUŞBA CONSTRUCTION
                                                       / GÖKÇENAY BUILD I.C.
MARDIN-DİYARBAKIR PROJECT
                                                       / MSM - ÖSAK PARTNERSHIP
KASTAMONU AND AKSARAY PROJECT
                                                       / ERKUT BUILD I.C.
ISTANBUL CONSTRUCTION
                                                       / DBH GLOBAL I.C.
DİYARBAKIR CONSTRUCTION
                                                       / BSK YOL STUCTURE I.C.
MANISA AND BURSA CONSTRUCTIONS
                                                       / DANIŞMAN GROUP I.C.
AKDAĞMADENİ CONSTRUCTION
                                                       / ONGÜN BUILD I.C.
SIIRT AND KARS CONSTRUCTIONS
                                                       / ÖLMEZ BUILD
ELMADAĞ CONSTRUCTION
                                                       / LİNEER BUILD I.C.
KAYSERİ AND NEVŞEHİR PROJECT
                                                       / AÇIKALIN INFRASTRUCTURE
BITLIS CONSTRUCTION
                                                       / BAGER BUILD COMPANY
KAYSERİ, KIRŞEHİR, VAN PROJECT
                                                       / BAŞ-KA GROUP
ADIYAMAN AND IĞDIR PROJECT
                                                       / GÜNFAR I.C.
DÜZCE CONSTRUCTION
                                                       / EGE ASPHALT I.C.
CUKURCA CONSTRUCTION
                                                       / METALEKS BUILD I.C.
NİĞDE - AKSARAY DUBLE ROAD
                                                       / KÜÇÜKEL BUILD I.C.
IĞDIR CONSTRUCTION
                                                       / ASP CONSTRUCTION INC.
ELMADAĞ CONSTRUCTION
                                                       / MAKİMSAN I.C.
NIĞDE CONSTRUCTION
                                                       / MAK-İŞ BUILD I.C.
ŞANLIURFA - DİYARBAKIR PROJECT
                                                       / CEYLAN BUILD I.C.
ANTALYA AND KIRIKKALE PROJECT
                                                       / MAKİ BUILD I.C.
ŞIRNAK CONSTRUCTION
                                                       / PROYAP BUILD I.C.
DİYARBAKIR CONSTRUCTION
                                                       / PROYOL BUILD
CIZRE CONSTRUCTION
                                                       / ORAK INFRASTRUCTURE I.C.
MANISA CONSTRUCTION
                                                       / YUNUSBEL I.C.
KONYA CONSTRUCTION
                                                       / MEHMET AYDIN ÜNAL I.C.
BALIKESIR CONSTRUCTION
                                                       / ENI ENERJGY I.C.
ORDU CONSTRUCTION
                                                       / KIRCA ENGINEERING I.C.
VAN CONSTRUCTION
                                                       / İNELSAN BUILD I.C.
TEKIRDAĞ SARAY CONSTRUCTION
                                                       / ABM ROAD I.C.
CORUM CONSTRUCTION
                                                       / DALGIÇLAR BUILD I.C.
AĞRI CONSTRUCTION
                                                       / MEKYOL CONSTRUCTION
KIRŞEHİR CONSTRUCTION
                                                       / ALTYOL BUILD I.C.
HAKKÂRİ CONSTRUCTION
                                                       / AKSAR CONCRETE ASPHALT
IĞDIR CONSTRUCTION
                                                       / PEKNİL BUILD MARINE
ELAZIĞ CONSTRUCTION
                                                       / ÖZSAL BUILD I.C.
TASKÖPRÜ CONSTRUCTION
                                                       / HASPINAR BUILD I.C.
HATAY CONSTRUCTION
                                                       / İKETAŞ BUILD I.C.
SILIVRI CONSTRUCTION
                                                       / AYYILDIZ BUILD
MALATYA CONSTRUCTION
                                                       / DİNÇ GROUP
VAN CONSTRUCTION
                                                       / ÖZOR BUILD I.C.
SIVAS ROAD CONSTRUCTION
                                                       / DEMGÜN BUILD
                                                       / AYK ROAD CONTRUCTION I.C.
TATVAN CONSTRUCTION
ŞIRNAK AND NORTHERN IRAQ PROJECT
                                                       / PEKER CONSTRUCTION I.C.
BATMAN CONSTRUCTION
                                                       / ŞİMŞEK GROUP
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