

**Your Solution Partner**



[www.zetas.pl](http://www.zetas.pl)



# About Us

Zetas Construction Materials is an engineering company that gives technical support to construction, industry, oil & gas projects with offices in Ankara, Baku, Warsaw and Tbilisi.

We offer value added innovative construction materials and engineering solutions to our customers with our staff with more than fifteen years of experience in the field and our product portfolio with reputable worldwide brands. Our value-added solutions significantly reduce project costs.

Zetas Construction Materials, as your solution partner becomes stronger and grows rapidly with its customer oriented and engineering centered management approach.

As well as Turkey, Azerbaijan, Poland and Georgia are our focus countries, we search for new markets.

Our goal is to create a difference in the sector by prioritizing customer and employee satisfaction with high quality and innovative products.

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## MANTO STONE WOOL and R<sup>+</sup>



## STONE WOOL DUCT BOARD



It is an unfaced stone wool boards that is produced specially with respect to TS EN 13500 standards. It is utilized at external thermal insulation composite systems for thermal insulation, sound insulation and fire safety purposes.



- Thermal insulation
- Fire safety
- Sound insulation
- Easy to apply



It is a stone wool board faced with aluminium foil on one side used for external thermal insulation, internal sound insulation of air conditioning and ventilation ducts.

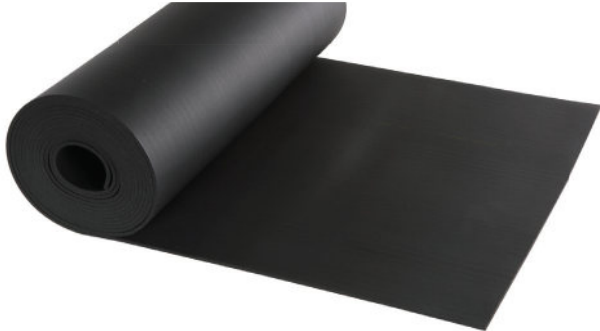


- High thermal insulation
- Fire safety
- Sound insulation
- Easy to apply

## OPTIFLEX SHEET AL / KY / AL-KY



## OPTIFLEX PIPE



It is an elastomeric rubber based insulation material in the form of sheet with closed cell structure. It is manufactured to be used for air conditioning, heating and cooling systems. It can be faced with aluminium foil and can be self-adhesive.



- Thermal insulation
- Condensation control
- CFC free
- Environment friendly
- Highly flexible



It is an elastomeric rubber based insulation material in the form of pipe with closed cell structure. It is manufactured to be used for air conditioning, heating and cooling systems.



- Thermal insulation
- Condensation control
- CFC free
- Environment friendly
- Highly flexible

## STONE WOOL PREFABRICATED PIPE



## VALVE JACKET



It is a pipe unfaced or faced with aluminium foil and manufactured out of stone wool with high unit weight. It is used for the thermal insulation of industrial pipes of temperatures over 250 °C, for vibration and sound insulation of pressurized pipes and against frost in pipes.



- High thermal insulation
- Fire safety
- Fast and easy installation
- Sound and vibration insulation



Izocam Valve Jacket is an insulation jacket specially manufactured for valves. It is manufactured from noncohesive white glass wool blanket or stone wool industrial blanket, with silicone on the outer side and faced with silicone-free glass tissue which is resistant to 500 °C on the inside. Izocam Valve Jackets are used for thermal insulation of all kinds of valves (piston valve, globe valve, butterfly valve, etc.) which are manufactured according to DIN, ANSI and API standards and strainers at indoor and outdoor spaces.



Thermal camera view of the uninsulated valve



Thermal camera view of the insulated valve after Izocam Valve Jacket application



- High thermal insulation
- Fire safety
- Ease of application
- Flexibility
- Size variety
- Usability at outdoor spaces

## INDUSTRIAL BOARD



**izocam**

## INDUSTRIAL BLANKET



It is a stone wool board that is used for thermal insulation and fire safety of industrial plants, process equipments, steel construction buildings.



- High thermal insulation
- Fire safety
- Sound insulation
- Easy to apply



It is a stone wool blanket that is used for thermal insulation and fire safety of industrial plants, process equipments, large diameter pipes.



- High thermal insulation
- Fire safety
- Sound insulation
- Easy to apply



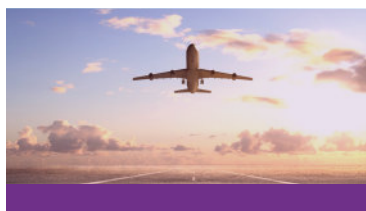
## Professional Hygiene Solutions



Faber offers reliable solutions  
for cleaning in all areas of life



**Ground and Building  
Hygiene**



**Aviation Hygiene and  
Care Products**



**Herbal-Based  
Products**



**Urban Environment  
Hygiene Products**



**Medical  
Hygiene Products**



**Defense Industry  
Care Products**



**Industrial Hygiene and  
Care Products**



**Food Production  
Hygiene Products**



**Vehicles  
Hygiene Products**



## Professional Hygiene Solutions

**"Faber Chemical & Medicine" is a chemical manufacturing company founded in 1994 by expert chemical engineers. Our commitment, which has not changed from past to present, is to adopt environmental welfare and human health as priority values in service and production processes. By maintaining our continuity, we aim to provide professional hygiene solutions in all areas of life.**

Our expert R&D team is focused on creating innovative and environmentally friendly products. These products are carefully formulated for a variety of industries, including service industries (hotels, restaurants, cafes, laundry), industrial manufacturing, automotive and aerospace, food production, swimming pools, urban space management, medical and veterinary hygiene, as well as cosmetics and household cleaning products.

Our production complies with many comprehensive quality assurance criteria: ISO 9001:2015, ISO 10002:2018, ISO 14001:2015, OHSAS 18001:2007. It also complies with many documents and standards such as "Good Manufacturing Practices" (GMP), "GIMDES Halal" Certificate, Notification Registration Documents of the Ministry of Customs and Trade and the Ministry of Agriculture, and "V-Label" Vegan. Our facilities are also subject to GSM regulations.

We provide service with our wide product range, dealership network and experienced sales personnel in the local market. In addition, we actively export to European countries, Middle East, Gulf countries, Turkic Republics, Russia, Far East regions and African countries.

By using the dosage dilution units and solutions we offer, the contact of cleaning workers with chemicals is minimized. With environmentally friendly production methods, we offer high quality, economical (less water use, energy saving) solutions with high hygiene standards to end users.

Our company is focused on providing customers with tailored hygiene training plans, innovative product development, expert advice and comprehensive after-sales technical support in order to maintain high hygiene standards. We are always ready to offer free practical and theoretical training programs to our valued customers.



**We work with an innovative perspective**



**Creating value on a global scale**





## Acidex ZMPT 01

### Airplane Runway Cleaning Liquid

For use in removing oils, soot, carbon, fuel, grease stains and especially rubber tire tracks on concrete surfaces of airplane runways.

- Foam controlled product. Can be used in all kinds of washing and cleaning machines.
- Does not damage runway lines, asphalt and concrete grouting materials and lighting equipment cables around the runway.
- Does not flash, burn or flare.



## Acidex Ice Remover 1000

### Aircraft Runway Cleaner - De-icing and Anti-freezing Glycol Based Solution

High performance anti-freeze and de-icing solution for airstrips, asphalt roads and concrete pavements.

- Effective de-icing and prevention: Due to propylene glycol-based formula, provides fast de-icing; protects the ground against hidden icing and black ice for a long time.
- Surface Friendly: Dissolves snow, ice and frost without damaging airstrips, asphalt roads, concrete sidewalks and epoxy floors.
- Environmentally Friendly and Safe: Contains no salt or urea; has minimal environmental impact, formulated in accordance with civil and military aviation standards.

**AMS  
Certified**



## Acidex Ice Remover 800

### Aircraft Runway Cleaner - De-icing and Anti-freezing Potassium Acetate Based Solution

For use in prevent the negative effects of snow, ice and frost on asphalt and concrete surfaces.

- Fast and Effective Defrosting: Due to its potassium acetate-based formula, provides fast defrosting.
- Surface Friendly: Dissolves snow, ice or frost without damaging the asphalt and concrete surfaces of airstrips.
- Environmentally Friendly and Safe: Formulated with environmentally friendly ingredients, provides minimal negative impact on the environment and offers a safe use.

**AMS  
Certified**





## Fastec Mec 200

### Degreaser and Cleaner for Brass, Copper, Lead and Similar Metal Surfaces

Cleaning liquid product designed for the purpose of removing unwanted grease, dirt and other contamination from the outer surfaces of metal parts such as brass, copper, lead, tombac by vibration method.

- Prepares the metal parts for processing before painting and prevents the paint from spreading.
- Prevents blackening of metal equipment thanks to the inhibitors it contains.
- No negative impact on the environment and human health.



## Fastec Fasol Emusol Petro Clean

### Oil, Tar and Tar Remover - Adherable to Vertical Surfaces

Due to special formula thickens and adhere to vertical surfaces when combined with water and effectively dissolves stubborn contaminants such as oil, fuel and tar.

- Does not damage the surface and paint while removing heavy oil and dirt.
- The emulsion formed when mixed with water adheres to vertical surfaces and absorbs and removes oil, dirt and tar.
- Especially effective in cleaning ropes and chains coated with heavy oil and dirt.
- Allows for effective cleaning without detrimental scrubbing of coatings.
- When diluted with water forms a structure that is non-flammable and non-combustible.



## Acidex FG 90

### Aldehyde-Based and QAC-Based Multi-Purpose Concentrated Disinfectant

Multi-purpose concentrated disinfectant suitable for fast hygienic cleaning in the food industry, as well as general disinfection in soilless greenhouses and nurseries, effectively cleaning surfaces, equipment, and tools made of various materials.

- Hygienic cleaner for tools, accessories, worktops, devices and equipment made of metal, plastic, ceramic, glass or porcelain, in laboratories.
- Suitable for use manually and in ultrasonic machines.

Range of Application: Food industry (areas with high risk of infections), soilless greenhouses, nurseries, veterinary facilities, livestock farms, animal shelters, poultry houses, fish farms, dairy farms, pig farms, equine facilities.



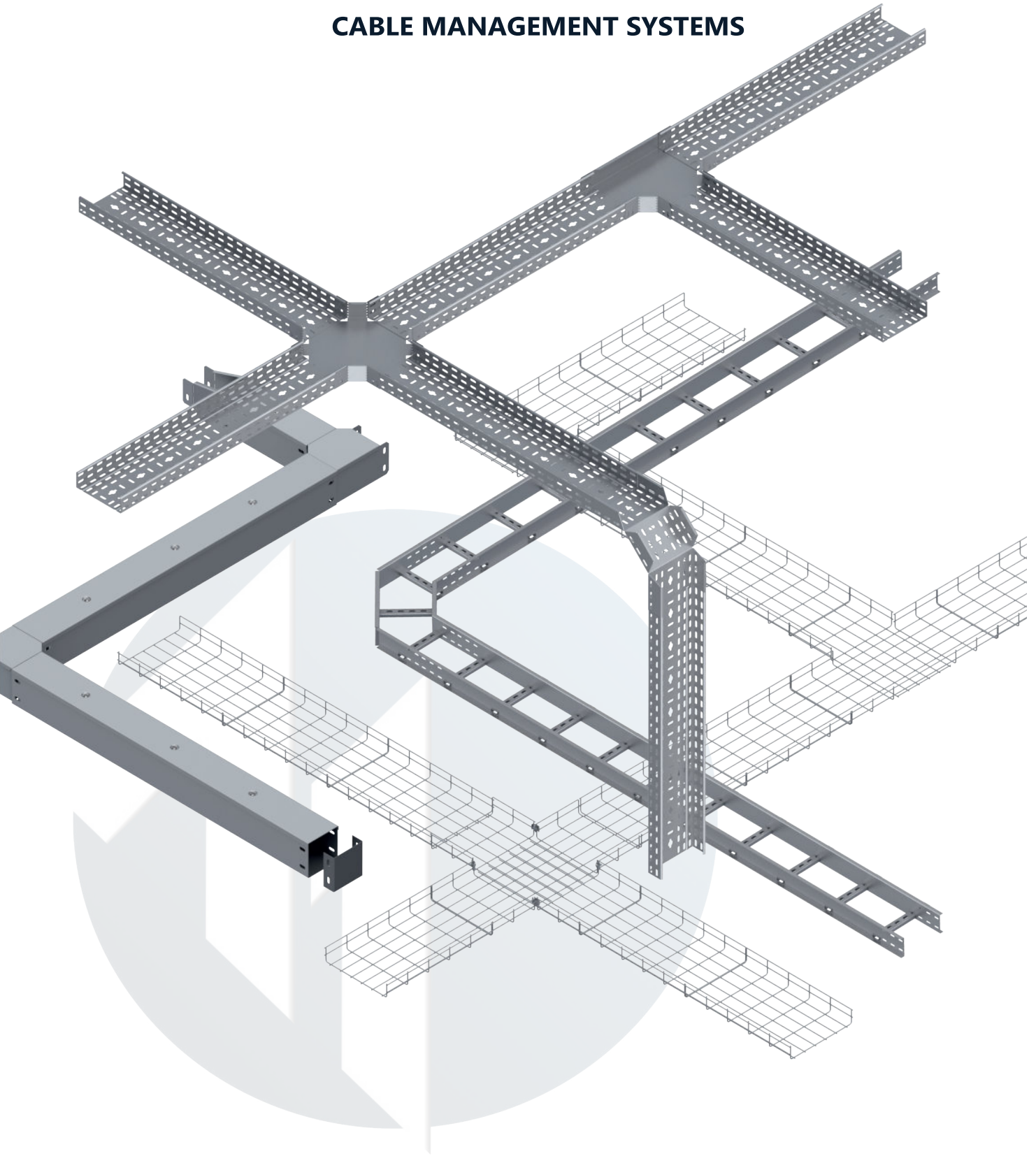
# ***metakson***

Cable Management Systems



# *metakson*

CABLE MANAGEMENT SYSTEMS



***metaksan***

"Brings Quality"



**MTK**  
MADE IN TURKEY

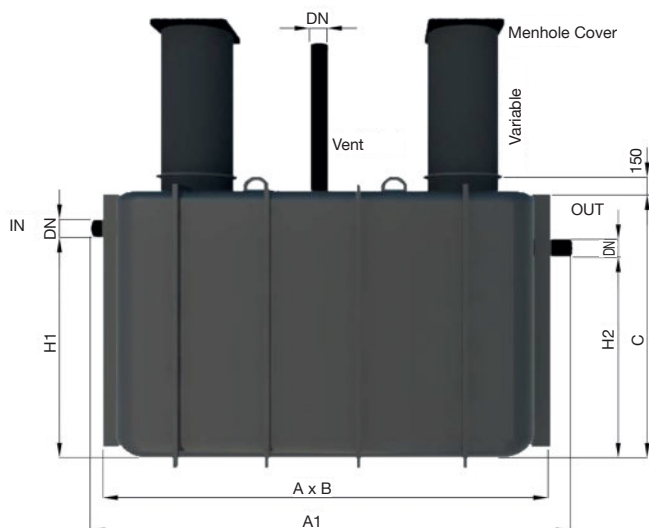
PIPE FIXING SYSTEMS



Pipe Clamp with nut									
With Rubber  <b>SK</b>	Without Rubber  <b>SKL</b>	With Rubber (Set)  <b>SKS</b>	Without Rubber (Set)  <b>SKSL</b>						
Pipe Clamp with Combi Nut									
With Rubber  <b>KS</b>	Without Rubber  <b>KSL</b>	With Rubber (Set)  <b>KSS</b>	Without Rubber (Set)  <b>KSLS</b>						
Pipe Clamps With Triphone									
With Rubber  <b>TF</b>	Without Rubber  <b>TFL</b>	With Rubber  <b>TU</b>	Without Rubber  <b>TUL</b>	Without Rubber(Set)  <b>TFS</b>	Without Rubber(Set)  <b>TFLS</b>				
Heavy Duty Pipe Clamp with Head									
With Rubber  <b>AK</b>	Without Rubber  <b>AKL</b>	With Rubber  <b>AS</b>	Without Rubber  <b>ASL</b>	With Rubber(Set)  <b>ACS</b>	Without Rubber(Set)  <b>ACSL</b>				
Sprinkler Pipe Clamps			Pvc Pipe Clamps						
Standard  <b>SPR</b>	Long  <b>SPRU</b>	With Rivet Nut  <b>SPRS</b>	 <b>PBK</b>						
Ventilation Pipe Clamps									
With Rubber  <b>HS</b>	Without Rubber  <b>HSL</b>	With Combi Nut  <b>HKS</b>	Combi Nut Without Rubber  <b>HKSL</b>	With Rubber  <b>HC</b>	Without Rubber  <b>HSL</b>				
Sliding Hinge		Collector Clamp		U Bolt Pipe Clamp					
 <b>KM</b>		 <b>KOL</b>		 <b>UB</b>					
Insulation Support									
 <b>PIT</b>									
Profiles & Channels									
 <b>CL 2718</b>		 <b>CL 2830</b>		 <b>C 2141</b>					
 <b>C 4141</b>		 <b>CL 27</b>		 <b>CL 28</b>					
				 <b>C 21</b>					
				 <b>C 41</b>					
Accessories									
 <b>UT4 - UT5</b>		 <b>UT6 - UT7</b>		 <b>UT8</b>					
 <b>CLE</b>		 <b>CLB</b>		 <b>NTP-NTN</b>					

## MOTO HDPE

Oil Trap Systems

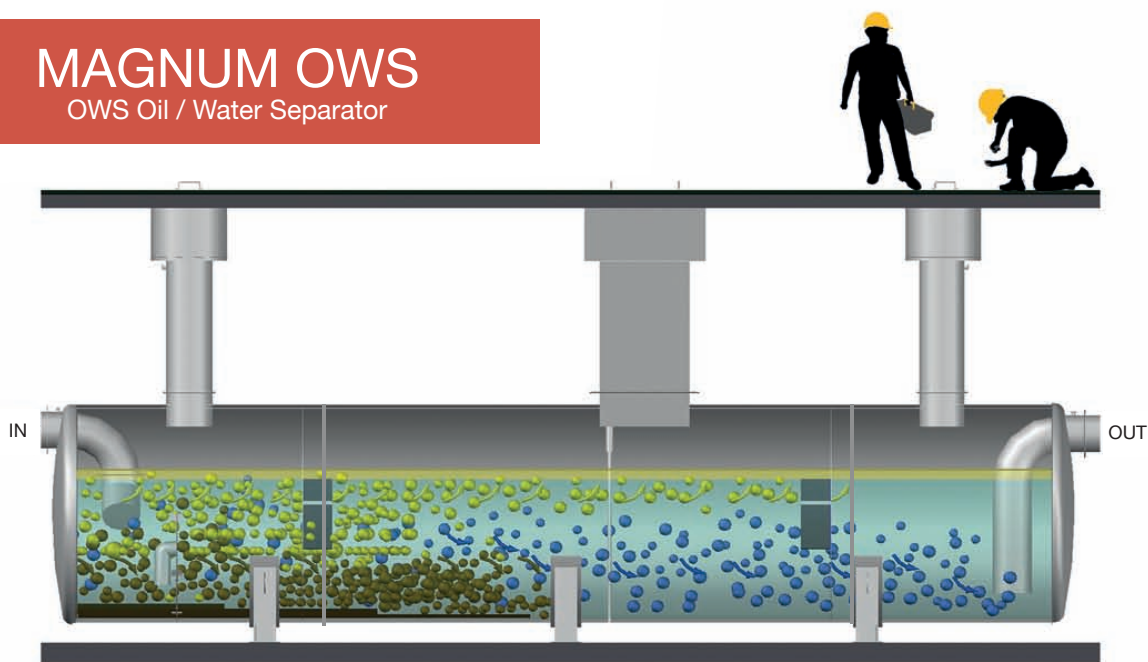


Product Dimensions

Code	Lt/Sec	DN	A1	A	B	C	H1	H2	Grease Vol.
HDPE	1-3	100	1540	1360	890	1390	970	900	150Lt
HDPE	4-7	100	2380	2200	890	1390	970	900	300Lt
HDPE	8-13	150	3100	2700	950	1600	1220	1150	500Lt

## MAGNUM OWS

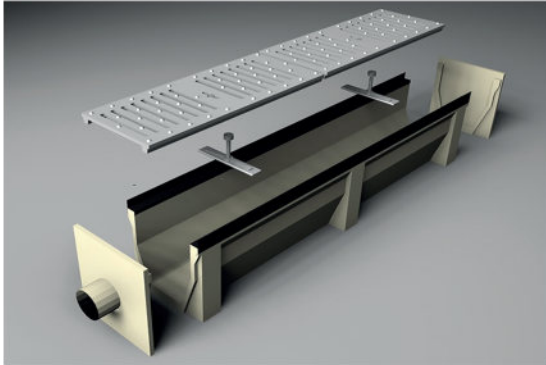
OWS Oil / Water Separator



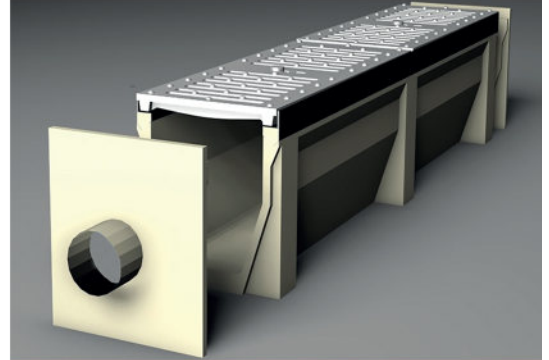
OWS Oil / Water Separators



## POLYMER CONCRETE DRAINAGE SYSTEMS



- Short Installation Time
- Economy on Material
- More Economical Than Traditional Channel Solutions
- Lock System Against Theft (Up to Order)

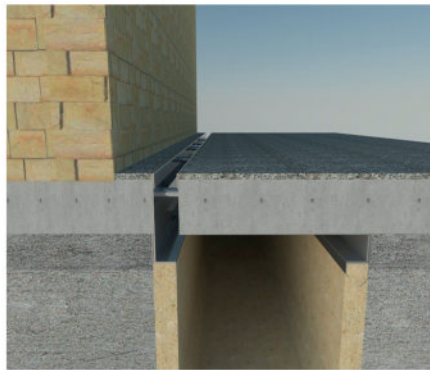
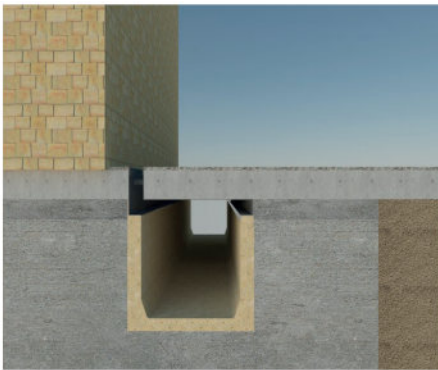


- Fast Draining of Surface Water
- Economy on Labour
- Highest Durability
- Different Types of Grids

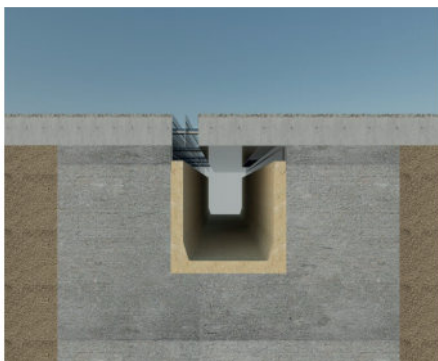
## FUGA

Slot Type Drainage Channel Types

### EDGE SLOT APPLICATION



### DUAL SLOT, EDGE APPLICATION



## Firestop



**Introduction:** Fires can cause catastrophic damage to buildings, resulting in property damage, injuries, and even loss of life. One of the critical ways to protect buildings from fire is through passive fire protection systems. Passive firestop systems are designed to prevent the spread of fire and smoke between compartments or through penetrations in fire-rated walls, floors, and ceilings.

**What are Passive Firestop Systems?** Passive firestop systems are a combination of materials and construction techniques used to prevent the spread of fire, smoke, and toxic gases through building compartments. These systems do not require any external source of energy, and they work passively to slow down the spread of fire. The components of a passive firestop system may include fire-resistant materials such as fire-resistant sealants, firestop pillows, firestop putty, firestop collars, and firestop boards. These materials are installed at penetration points such as pipes, cables, ducts, and conduits, to create a barrier against the spread of fire. Passive firestop systems may also include fire-rated construction materials such as fire-rated walls, floors, and ceilings. These components are designed to control fires in a given area and prevent it from spreading to other areas of the building by preventing it from leaving the fire zone.

**Conclusion:** Passive firestop systems are critical for protecting buildings from fires. These systems prevent the spread of fire and smoke, limiting property damage and saving lives. The installation and maintenance of passive firestop systems should be carried out by trained professionals in accordance with building codes and regulations to ensure their continued effectiveness.

# PFP – Passive Fire Protection for Steel Structures

**Introduction:** Steel is a widely used material in the construction industry due to its high strength-to-weight ratio, durability, and ease of fabrication. However, steel can lose its strength and integrity when exposed to high temperatures, especially in the event of a fire. Passive fire protection (PFP) is a crucial component of fire safety for steel structures, as it helps to protect the structure and prevent collapse in the event of a fire. In this white paper, we will provide an overview of passive fire protection for steel structures, including the various types of PFP systems, their applications, and their performance characteristics.



## Intumescent Paint Systems

Intumescent paint systems are a type of passive fire protection coating used on building structures and materials to slow the spread of fire. They work by swelling up and forming a thick, protective layer when exposed to high temperatures.

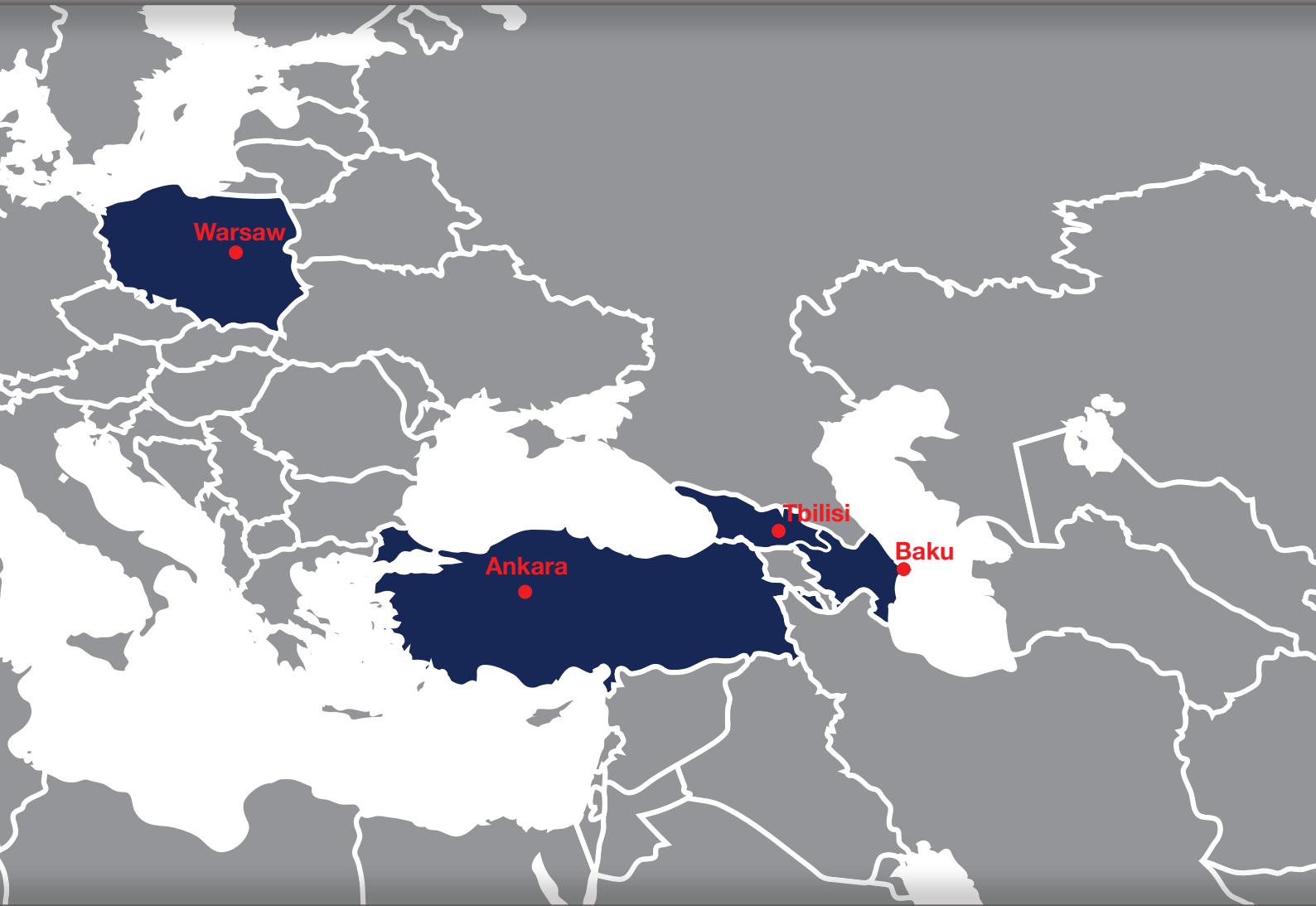
The paint system typically consists of several layers, including a primer, basecoat, and topcoat. Each layer plays a crucial role in providing fire resistance and durability to the coating. The primer helps to prepare the surface for the intumescent coating, while the basecoat is responsible for providing the thermal insulation required to protect the surface from heat. The topcoat is usually a decorative layer that provides additional protection against weathering and corrosion.



## Spray Cement Coating Systems:

Spray cement coating systems are used as a passive fire protection measure to enhance the fire resistance of steel structures, concrete, and other building materials. These systems consist of a sprayable mixture of cement, fibers, and other additives that are applied directly onto the surface of the substrate.

The cement-based coating acts as an insulator and helps to prevent the substrate from reaching critical temperatures during a fire. This slows down the rate of heat transfer to the substrate, delaying the onset of structural failure and increasing the amount of time available for evacuation or firefighting efforts.



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