

# Sealants & Technical Adhesives

## 2023



**FIXA**<sup>®</sup>  
CONSTRUCTION CHEMICALS





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CONSTRUCTION CHEMICALS

In today's world, modern buildings are meeting not only the housing needs of people but also respond to their aesthetics, comfort and safety needs. Technologically advanced buildings raise the living standards of their residents and ensure that they live a happy life. Construction chemicals play a key role in this comfort.

FIXA CONSTRUCTION CHEMICALS was founded in 2001 in Istanbul with the belief that advanced technology buildings can only be constructed with high technology chemicals.

FIXA is one of the leading companies in its industry with its investment in research and development. Today, FIXA Construction Chemicals has an annual capacity of 350,000 tons of powder and 5,000 tons of liquid chemical production in its 3 factories (Istanbul 2001, Adana 2009 and Ankara 2011). With its MS hybrid, polyurethane and silicone production facility completed in 2013, FIXA provides highest technology products to the Turkish construction industry.

IGLOO Thermal Insulation Systems, a subsidiary of FIXA, was established in Istanbul in 2011 and with an annual production capacity of 350,000 m<sup>3</sup>, it produces high quality white and grey EPS for the thermal insulation industry in Türkiye.

FIXA respects Quality Control Systems as well as R&D and continuous training, to keep the highest standards in production and meet customer needs and expectations. All raw and semi-finished materials which affect the product quality and the finished products are object to required controls before shipment. In addition to TSE and CE, FIXA also has the ISO 9001:2015 Quality Management System Certificate for its products as well as other quality control certificates demanded in many markets.

FIXA also offers service to its customers with expert and professional sales and support teams to ensure the right product usage and application.

FIXA considers all its dealers as its business partners. In addition to its large dealer network throughout the country, FIXA continuously increases its exports with the distributorship network it has established in more than 30 countries in 4 continents.

Today FIXA offers high quality products for the construction industries both in Türkiye and in the world, in 11 different groups: waterproofing systems, sealants, repair, reinforcement and restoration systems, floor systems, thermal insulation systems, concrete and mortar admixtures, mold release agents and curing compounds, cement based plasters and bonding mortars, tile and ceramic adhesives, tile grouts and technical adhesives in its fully automated production facilities in Istanbul, Ankara and Adana.



# OUR FACILITIES

## CONSTRUCTION CHEMICALS

### Istanbul Factory

Total Area	11,000 m <sup>2</sup>
Closed Area	6,000 m <sup>2</sup>
Production Capacity	150,000 ton/year (powder product) 5,000 ton/year (liquid product) 5,000 ton/year (MS-silicone sealant)



### Adana Factory

Total Area	3,500 m <sup>2</sup>
Closed Area	2,500 m <sup>2</sup>
Production Capacity	80,000 ton/year (powder product)



### Ankara Factory

Total Area	7,200 m <sup>2</sup>
Closed Area	4,800 m <sup>2</sup>
Production Capacity	120,000 ton/year (powder product)



## EPS

### Istanbul Factory

Total Area	4,500 m <sup>2</sup>
Closed Area	5,000 m <sup>2</sup>
Production Capacity	350,000 m <sup>3</sup> /year (EPS)



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# SEALANTS





## POLYMERA® MS 925 MS Polymer Based Sealant (LM)

### Description:

**MS Polymer** based, single component, **low modulus (LM)**, elastic, solvent and isocyanate free hybrid construction sealant.

### Application Areas:

- Indoor and outdoor,
- All indoor and outdoor dilatation joints of high buildings,
- All kinds of cladding facade joints,
- Rain gutters and construction intersections for sealing,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Joint combinations of glass, ceramic, tiles and glazed surfaces,
- Joint combinations of metal, aluminum, wood and glass,
- Joints of stainless, galvanized or black steels
- Filling joints of natural materials such as marble, natural stone and granite,
- Intersection details of prefabricated elements,
- Sealing window, door and roofs.

### Advantages:

- **Single component**, easy to apply.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Thanks to its **low modulus (LM)** and **high adhesion property**, it tolerates small movements and protects its isolation properties in joints.
- Does not bleed oil on construction materials such as marble, natural stone, granite.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- Durable as it does **not contain solvent or isocyanate**. Does not shrink, sag or peel off.
- Can be overpainted with waterborne and other types of paints.
- Prevents mold and fungus formation.
- Cures neutrally, the odor does not disturb.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Consumption g (for 1 m)
6	6	36	50.40
10	10	100	140
20	12	240	336

### Packaging:

600 ml aluminum sausages  
290 ml cartridges

### Technical Properties

Appearance	: High viscosity MS polymer sealant
Color	: Pls. see the color chart on page 18
Density	: 1.40 ± 0.05 g/cm <sup>3</sup>
Joint Movement	: ± 25% (TS EN ISO 11600)
Hardness (Shore A)	: 28 ± 3 (DIN 53505)
Surface Dry Time	: 200 ± 30 minutes
Curing Rate	: 2.5 - 3 mm / 24 hours
Elongation at Break	: > 500% (7 days) (DIN 53504)
100% Modulus	: < 0.40 N/mm <sup>2</sup>
Application Temperature	: +5°C / +35°C
Service Temperature	: -40°C / +80°C



## POLYMERA® MS 940 MS Polymer Based Sealant (HM)

### Description:

**MS Polymer** based, single component, **high modulus (HM)**, elastic, solvent and isocyanate free hybrid construction joint filler and adhesive. It is developed for **bonding and sealing** roof, facade, sandwich panel, container, wood, metal, composite and prefabricated assembly works.

### Application Areas:

- Indoor and outdoor,
- Horizontal and vertical joint combinations and dilatation joints ,
- Roof and terrace dilatations and in joints of parapet corners,
- To absorb vibrations in intersection details and joints of cabin and body of containers, truck booths etc.
- Intersection details of prefabricated elements,
- Assembly and isolation of sandwich panels in roofs and facades,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Joint combinations of glass, ceramic, tiles and glazed surfaces,
- Joint combinations of metal, aluminum, wood and glass,
- Joints of stainless, galvanized or black steels,
- Filling joints of natural materials such as marble, natural stone and granite,
- Assembly and sealing of wood, metal, PVC, concrete, cement mixed chip panel and various composite boots, construction and container intersections.

### Advantages:

- **Single component**, easy to apply.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Thanks to its **high modulus (HM)** and **high adhesion property**, it tolerates rigorous movements and protects its adhesion and isolation properties in joints.
- Does not bleed oil on construction materials such as marble, natural stone, granite.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- Durable as it does **not contain solvent or isocyanate**. Does not shrink, sag or peel off.
- Can be overpainted with waterborne and other types of paints.
- Prevents mold and fungus formation.
- Cures neutrally, the odor does not disturb.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Consumption g (for 1 m)
6	6	36	49.32
10	10	100	137
20	12	240	329

### Packaging:

600 ml aluminum sausages  
290 ml cartridges

### Technical Properties

Appearance	: High viscosity MS polymer sealant
Color	: Pls. see the color chart on page 18
Density	: 1.37 ± 0.05 g/cm <sup>3</sup>
Hardness (Shore A)	: 40 ± 5 (DIN 53505)
Surface Dry Time	: 70 ± 30 minutes
Curing Rate	: 3 mm / 24 hours
Elongation at Break	: > 400% (7 days) (DIN 53504)
% 100% Modulus	: > 0.50 N/mm <sup>2</sup>
Application Temperature	: +5°C / +35°C
Service Temperature	: -40°C / +80°C



## PU 970 Polyurethane Low Modulus Sealant (LM)

### Description:

**Polyurethane** based, single component, **low modulus (LM)** sealant which is an ideal product for **static and dynamic** expansion joints of construction elements.

### Application Areas:

- Indoor and outdoor,
- Horizontal and vertical dilatation joints,
- Roof and terrace dilatations and joints of parapet corners,
- Intersection details of prefabricated elements,
- Between precast wall panels,
- As a sealant in joints of PVC, wood, metal, aluminum and plastic joinery.

### Advantages:

- Easy to apply and its surface can be smoothed.
- Has high stretching properties and turns its original form.
- Has perfect and permanent elasticity and adhesion strength.
- Tolerates even the small movements of the building thanks to its low modulus.
- Hardens with the moisture in the air.
- Can be overpainted.
- Becomes waterproof when cured.
- Resistant to aging.
- Does not sag, has thixotropic properties.

### Consumption:

Varies depending on the joint width.

### Packaging:

600 ml aluminum sausages  
280 ml aluminum cartridges

### Technical Properties

Appearance	: High viscosity polyurethane sealant
Color	: Pls. see the color chart on page 18
Density	: 1.15 ± 0.05 g/cm <sup>3</sup> (DIN 53479)
Surface Dry Time	: 90 ± 30 minutes
Application Temperature	: Between +5°C and +35°C
Curing Rate	: 2 mm / 24 hours
Elongation at Break	: > 1000% (14 days) (DIN 53504)
Hardness (Shore A)	: 25 ± 5 (DIN 53505)
Tensile Strength	: > 1.5 N/mm <sup>2</sup> (DIN 53504)
100% Modulus	: > 0.40 N/mm <sup>2</sup> (DIN 53504)
Volume Change	: ~ 5%
Sagging	: < 2 mm (DIN EN ISO 7390)
Service Temperature	: -30°C / +80°C



## PU 971 Polyurethane High Modulus Sealant (HM)

### Description:

**Polyurethane** based, single component, **high modulus (HM)** sealant and adhesive which is developed to provide **adhesion** and **waterproofing** in roofs, facades, sandwich panels, containers, wood, metal, composite and prefabricated structural elements.

### Application Areas:

- Indoor and outdoor,
- Horizontal and vertical joint combinations and dilatation joints,
- Roof and terrace dilatations and in joints of parapet corners,
- To absorb vibrations in intersection details and joints of containers, truck booths etc.
- Intersection details of prefabricated elements,
- Assembly and isolation of sandwich panels in roof and facades,
- Assembly and sealing of wood, metal, PVC, concrete, cement mixed chip panel and various composite boots, construction and container intersections.

### Advantages:

- Easy to apply and its surface can be smoothed.
- Has high stretching properties and turns to its original form.
- Has perfect and permanent elasticity and adhesion strength.
- Has high shock absorption and high resistance to load and friction.
- Hardens with the moisture in the air.
- Can be overpainted.
- Becomes waterproof when cured.
- Resistant to aging.
- Does not sag, has thixotropic properties.
- Resistant to water, salted water, weak acids and bases, and waterborne cleaners.

### Consumption:

Varies depending on the joint width.

### Packaging:

600 ml aluminum sausages  
280 ml aluminum cartridges

### Technical Properties

Appearance	: High viscosity polyurethane sealant
Color	: Pls. see the color chart on page 18
Density	: 1.15 ± 0.05 g/cm <sup>3</sup> (DIN 53479)
Surface Dry Time	: 70 ± 30 minutes
Application Temperature	: Between +5°C and +35°C
Curing Rate	: 2 mm / 24 hours
Elongation at Break	: > 800% (14 days) (DIN 53504)
Hardness (Shore A)	: 40 ± 5 (DIN 53505)
Tensile Strength	: > 2 N/mm <sup>2</sup> (DIN 53504)
100% Modulus	: > 0.50 N/mm <sup>2</sup> (DIN 53504)
Volume Change	: ~ 5%
Sagging	: < 2 mm (DIN EN ISO 7390)
Service Temperature	: -30°C / +80°C



## POLAN® 980 2K Coal Tar Modified Polyurethane Based Sealant and Waterproofing Material

### Description:

**Coal tar modified polyurethane** based, double component, cold applied, self-levelling sealant and waterproofing material which has high mechanical and chemical resistance. It is **resistant to jet fuels** and **oils**.

### Application Areas:

- Dynamic horizontal dilatation joints, for sealing and filling,
- Filling the ground joints in places exposed to chemical and industrial wastes, such as airports, garages and gas stations,
- Places where infrastructural work is needed, such as tunnels, bridges, canals, ports and highways,
- Warehouse, garage, hangar and loading areas,
- Bricks, concrete or grating covers of the pavements,
- As a joint sealant in balconies and terraces.

### Advantages:

- Highly resistant to oil, petroleum, jet fuel and various chemicals, self-levelling.
- Cold applied, easy and fast to apply.
- Resistant to UV and abrasion.
- Not affected by dilatation movements and different weather conditions. Resistant to aging.
- Has high adhesion properties to the surface where it is applied (concrete, metal and glass etc.)
- Highly elastic, does not lose its elasticity between -35°C and +86°C.
- Ideal to use where hot applied joint fillers cannot be used.

### Consumption:

Varies depending on the joint depth and width.  
Theoretical consumption: Joint width (mm) x joint depth (mm) x material density = consumption/running meter.

### Packaging:

Component A: 4.3 kg tin cans  
Component B: 0.7 kg tin cans

### Technical Properties

Appearance	: Black colored flowable coal tar modified polyurethane sealant
Mixture Density	: 1.25 ± 0.05 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +30°C
Solid Content Ratio	: 96%
Elastic Recovery	: 80%
Tensile Strength	: 0.16 MPa (+23°C); 0.22 MPa (-20°C)
Hardness (Shore A)	: 25 ± 5
Change in Mass and Volume	
After Immersion in Test Fuels	: Maximum 1% with Jet Fuel
Shock Temperature Resistance	: +120°C
Service Temperature	: -35°C / +86°C
Pot Life of Mixture	: 30 - 45 minutes (20°C)
Drying Time	: Tack-Free: 6 hours Complete Drying: 24 hours Test: 7 days



## AS 910 Siliconized Acrylic Sealant

### Description:

**Acrylic** dispersion based, **silicone** added, single component, multi-purpose sealant resistant to weather conditions. It is an economical and ideal sealant for **static** joints of the buildings.

### Application Areas:

- Indoor and outdoor,
- Installation of window, wooden or PVC joinery,
- Sealing window frames,
- Baseboards.

### Advantages:

- **Single component**, easy to apply,
- Can be used in all porous surfaces (brick, concrete, wood).
- Does not contain solvent and isocyanate, odorless.
- Can be painted when dry.
- Resistant to weather condition.
- Waterborne, easy to clean.

### Consumption:

Varies depending on the application surface.  
The recommended width and depth ratio of the filler material is 2:1.

### Packaging:

Gross 500 g plastic cartridges

### Technical Properties

Appearance	: High viscosity siliconized acrylic sealant
Color	: Pls. see the color chart on page 18
Density	: 1.60 ± 0.05 g/cm <sup>3</sup> (DIN 53479)
Application Temperature	: Between +5°C and +30°C
Surface Drying Time	: 80 ± 30 minutes
Elongation at Break	: ≥ 150% (28 days)
Curing Rate	: 2 mm / 24 hours
Service Temperature	: -20°C / +120°C



## SS 930E Multi-Purpose Silicone Sealant

### Description:

**Silicone** based, **multi-purpose**, single component (acetoxyl) sealant which is cured with the moisture in the air. Can be used indoor and outdoor.

### Application Areas:

- Indoor and outdoor,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Glass assembly works,
- Sealing window frames,
- For sealing and filling purposes in door and window gaps.

### Advantages:

- **Single component**, easy to apply.
- **Resistant to UV**, does not crack or turn to yellow.
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**.
- Highly elastic and turns to its original form without being distorted.
- Protects its elasticity even at low and high temperatures (-30°C and +120°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

### Consumption:

Varies depending on the application surface.

### Packaging:

Gross 280 g plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 0.97 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +40°C
Surface Drying Time	: 20 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Hardness (Shore A)	: 20 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -30°C / +120°C

## SS 930 Multi-Purpose Silicone Sealant

### Description:

**Silicone** based, **multi-purpose**, single component (acetoxyl) sealant which is cured with the moisture in the air. Can be used indoor and outdoor.

### Application Areas:

- Indoor and outdoor,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Glass assembly works,
- Sealing window frames,
- For sealing and filling purposes in door and window gaps.

### Advantages:

- **Single component**, easy to apply.
- **Resistant to UV**, does not crack or turn to yellow.
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**.
- Highly elastic and turns to its original form without being distorted.
- Protects its elasticity even at low and high temperatures (-30°C and +120°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

### Consumption:

Varies depending on the application surface.

### Packaging:

Net 280 ml (Gross 320 g) plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 0.97 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +40°C
Surface Drying Time	: 20 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Hardness (Shore A)	: 20 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -30°C / +120°C

## SS 930X Multi-Purpose Silicone Sealant

### Description:

**Silicone** based, **multi-purpose**, single component (acetoxyl) sealant which is cured with the moisture in the air. Can be used indoor and outdoor.

### Application Areas:

- Indoor and outdoor,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Glass assembly works,
- Sealing window frames,
- For sealing and filling purposes in door and window gaps.

### Advantages:

- **Single component**, easy to apply.
- **Resistant to UV**, does not crack or turn to yellow.
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**.
- Highly elastic and turns to its original form without being distorted.
- Protects its elasticity even at low and high temperatures (-30°C and +120°C) once cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

### Consumption:

Varies depending on the application surface.

### Packaging:

Net 300 ml (Gross 345 g) plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 0.97 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +40°C
Surface Drying Time	: 20 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Hardness (Shore A)	: 20 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -30°C / +120°C



## SS 931

### Universal Silicone Sealant (100% Silicone)

#### Description:

High quality, **multi-purpose, 100% silicone**, solvent-free, single component (acetoxo) sealant which is cured with the moisture in the air. Can be used indoor and outdoor.

#### Application Areas:

- Indoor and outdoor,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Glass assembly works,
- Sealing window frames,
- Isolation of cold storage depots,
- For sealing and filling purposes in door and window gaps.

#### Advantages:

- **Single component**, easy to apply.
- 100% silicone, solvent-free and durable. Does not contain volatile organic compounds.
- **Resistant to UV**, does not crack or turn to yellow, shrink, sag or peel off.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion property**.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- Prevents mold and fungus formation.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

#### Consumption:

Varies depending on the application surface.

#### Packaging:

Net 300 ml plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +40°C
Surface Drying Time	: 25 ± 5 minutes
Curing Ratio	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1.2 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -40°C / +150°C

## SS 932

### Sanitary Silicone Sealant

#### Description:

High quality, **100% silicone**, solvent-free, single component (acetoxo) sealant which is cured with the moisture in the air. Can be used in wet areas such as **bathrooms and kitchens** for sealing and filling purposes.

#### Application Areas:

- Indoor and outdoor,
- Wet areas such as bathrooms and kitchens,
- For sealing in installation of products such as toilet, baths, washbasins,
- Installation and rounds of shower enclosures for sealing purposes,
- Joint of tiles which is open to water contact,
- Sealing kitchen appliances and hygienic devices and equipments,
- For sealing of cold storage depots and refrigerated vehicles.

#### Advantages:

- **Single component**, easy to apply.
- **100% silicone**, solvent-free and durable. Does not shrink, sag or peel off.
- Resistant to continuous moisture exposure.
- **Resistant to UV**, does not crack or turn to yellow.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion property**.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- Prevents mold and fungus formation.
- Cures fast, protects its elasticity even at low and high temperatures (-40°C and +150°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

#### Consumption:

Varies depending on the application surface.

#### Packaging:

Net 280 ml (Gross 340 g) plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +40°C
Surface Drying Time	: 25 ± 5 minutes
Curing Ratio	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1.2 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -40°C / +150°C

## SS 932X

### Shower Cabin Silicone Sealant

#### Description:

High quality, **100% silicone**, solvent-free, single component (acetoxo) sealant which is cured with the moisture in the air. Can be used in wet areas such as **shower cabins, bathrooms and kitchens** for sealing and filling purposes.

#### Application Areas:

- Indoor and outdoor,
- Wet areas such as bathrooms and kitchens,
- For sealing in installation of products such as toilet, baths, shower cabins, washbasins,
- Installation and rounds of shower enclosures for sealing purposes,
- Joint of tiles which is open to water contact,
- Sealing kitchen appliances and hygienic devices and equipments,
- For sealing of cold storage depots and refrigerated vehicles.

#### Advantages:

- **Single component**, easy to apply.
- **100% silicone**, solvent-free and durable. Does not shrink, sag or peel off.
- Resistant to continuous moisture exposure.
- **Resistant to UV**, does not crack or turn to yellow.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion property**.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- Prevents mold and fungus formation.
- Cures fast, protects its elasticity even at low and high temperatures (-40°C and +150°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.

#### Consumption:

Varies depending on the application surface.

#### Packaging:

Net 300 ml (Gross 360 g) plastic cartridges

Technical Properties	
Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35°C
Surface Drying Time	: 25 ± 5 minutes
Curing Ratio	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1.2 MPa
Elongation at Break	: > 500% (14 days)
Service Temperature	: -40°C / +150°C



## SS 933 RTV Heat Resistant Silicone Sealant

### Description:

High quality, solvent-free, single component (acetoxo), **red colored silicone** sealant which is cured with the moisture in the air. Developed for the applications of engines and mechanical parts exposed to **high temperatures**.

### Application Areas:

- Places exposed to continuous high temperatures,
- Automotive motor components, differential cover, gear-case cover, motor hood and carburetor cover sealing,
- Diluted acidic and basic environments,
- Steam installations, as sealant in places exposed to hot water and steam,
- Sealing chemical reactors,
- Hot-air pipes,
- Industrial mechanic parts,
- All sealing applications exposed to mechanical or chemical heating.

### Advantages:

- **Single component**, easy to apply.
- Resistant to maximum +250°C.
- **Does not contain solvent**, durable. Does not shrink, sag or peel off.
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**.
- Not affected from weather conditions after one hour when cured. Resistant to abrasion.
- Highly elastic and turns to its original form without being distorted.
- Red colored, easily noticed.
- Resistant to detergents, cleaning materials and diluted chemical solutions.
- Odorless when cured.
- Not harmful or poisonous.

### Consumption:

Varies depending on the application surface.

### Packaging:

Net 300 ml plastic cartridges

### Technical Properties

Appearance	: Red colored high viscosity silicone sealant
Density	: 1.05 ± 0.05 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35°C
Surface Drying Time	: 20 ± 5 minutes
Curing Ratio	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)
Resistance to Heat	: Maximum +250°C
Service Temperature	: -40°C / +250°C



## SS 934 CONSTRUCTION Neutral Construction Silicone Sealant

### Description:

High quality, single component, **100% silicone**, solvent-free sealant with **neutral oxime structure**, cured with the humidity in the air, which can be used in all kinds of indoor and outdoor areas of the building.

### Application Areas:

- Indoor and outdoor,
- All kinds of aluminum cladding facade joints,
- As a sealing material in construction joints,
- Glass assembly works,
- Joint combinations of glass, aluminum and glazed surfaces,
- Sealing window frames,
- Isolation of cold storage depots,
- For sealing and filling purposes in door and window gaps,
- All kinds of joint applications due to its neutral characteristics.

### Advantages:

- **Single component**, easy to apply.
- Does not contain **solvent**, durable. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Tolerates small movements and protects its sealing properties in joints, thanks to **its high adhesion property**.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- Not affected from weather conditions after one hour when cured. Resistant to abrasion.
- Odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) when cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.
- Not harmful or poisonous.

### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Glossy Consumption g (for 1 m)	Matte Consumption g (for 1 m)
6	6	36	36.72	48.60
10	10	100	102	135
20	12	240	244.80	324

### Packaging:

Net 300 ml plastic cartridges  
600 ml aluminum sausages

### Technical Properties

Appearance	: High viscosity silicone sealant	
Color	: Pls. see the color chart on page 18	
Application Temperature	: Between +5°C and +35°C	
Service Temperature	: -40°C / +150°C	
Motility	: ± 25% (TS EN ISO 11600)	
	<b>Glossy</b>	<b>Matte</b>
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>	: 1.35 ± 0.05 g/cm <sup>3</sup>
Surface Drying Time	: 10 ± 5 minutes	: 10 ± 5 minutes
Curing Rate	: 3 mm / 24 hours	: 3 mm / 24 hours
Hardness (Shore A)	: 22 ± 5	: 36 ± 5
Tensile Strength	: ≥ 1 MPa	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)	: > 400% (14 days)



## SS 994 FACADE Weatherseal Silicone Sealant

### Description:

Single component, weather resistant, high strength, **neutral alkoxy structure**, **100% silicone** sealant developed for facades joints.

### Application Areas:

- Indoor and outdoor,
- In all curtain wall joints, including structural facade joints,
- As a sealing material in construction joints,
- In laminated glass applications,
- In glass installation and joinery isolation,
- On many surfaces such as coated and anodized aluminum, wood, concrete, brick, ceramic, porcelain.

### Advantages:

- **Single component**, easy to apply.
- **Does not contain solvent**, durable.
- Is not affected by weather conditions and performs excellent and long-term durability. It provides excellent resistance to extreme conditions such as extreme temperatures, UV, rain and snow, without significant change in elasticity.
- Its high tensile strength, high tear strength and high capacity to absorb deformations (elongation) make this product an outstanding product for weatherproof façade applications.
- Can meet both the elongation and compression movements by 50% (ASTM C719) and has an excellent recovery after this cycle.
- Has very low VOC value. Is a low odor neutral curing product.
- Protects its elasticity even at low and high temperatures (-50°C and +100°C) when cured.

### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Consumption ml (for 1 m)
6	6	36	51.48
10	10	100	143
20	10	200	286

### Packaging:

Net 300 ml plastic cartridges  
600 ml aluminum sausages

### Technical Properties

Appearance	: Silicone sealant
Color	: Black
Density	: 1.43 ± 0.05 g/cm <sup>3</sup>
Application Temp.	: Between +5°C and +35°C
Surface Drying Time	: 25 ± 5 minutes
Motility	: ± 50% (ASTM C719) and ± 25 (TS EN ISO 11600)
Curing Rate	: 2 - 3 mm / 24 hours
Hardness (Shore A)	: 30 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 400% (14 days)
Service Temperature	: -50°C / +100°C



## SS 935

### Marble and Natural Stone Silicone Sealant

#### Description:

High quality, **100% silicone**, single component, neutral, solvent-free sealant which is cured with the moisture in the air. Can be used in joints of construction materials such as **natural stone, marble and granite**.

#### Application Areas:

- Indoor and outdoor,
- Sensitive surfaces such as natural stone, marble and granite,
- Joints of facade coverings such as natural stone, marble and granite,
- Joint combinations of glass, aluminum and glazed surfaces,
- Sealing window frames.

#### Advantages:

- **Single component**, easy to apply.
- Granite, marble and other natural materials can be stained in contact with standard silicone. SS 935 is developed for these sensitive surfaces, does not stain.
- **Does not contain solvent**, durable. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion** property.
- Highly elastic, can be expanded more than 5 times of its length and turns to its original form without being distorted.
- Resistant to abrasion.
- Not affected from weather conditions after one hour when cured.
- Prevents mold and fungus formation.
- Odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) once cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.
- Not harmful or poisonous.

#### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Consumption ml (for 1 m)
6	6	36	36.36
10	10	100	101
20	12	240	242.40

#### Packaging:

Net 300 ml plastic cartridges

#### Technical Properties

Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.01 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35°C
Surface Drying Time	: 10 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 300% (14 days)
Service Temperature	: -40°C / +150°C

## SS 936

### Neutral Silicone Sealant

#### Description:

High quality, single component, **100% silicone**, solvent-free sealant with **neutral oxime structure**, cured with the humidity in the air, which can be used in indoor and outdoor.

#### Application Areas:

- Indoor and outdoor,
- Automotive and transportation industries, in sheet metal and panel installations,
- Production of durable white goods for isolation purposes,
- As sealing material in home appliances,
- Bathrooms and kitchens, in joints of shower enclosures, baths, washbasins and sinks etc.
- Sealing electronic and sensitive metal surfaces,
- Joint combinations of glass, aluminum and glazed surfaces.

#### Advantages:

- **Single component**, easy to apply.
- **Does not contain solvent**, durable. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion** property.
- Not affected from weather conditions after one hour when cured.
- Prevents mold and fungus formation.
- Odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) once cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.
- Not harmful or poisonous.

#### Consumption:

Width of the joint mm	Depth of the joint mm	Consumption ml (for 1 m)	Glossy Consumption g (for 1 m)	Matte Consumption g (for 1 m)
6	6	36	36.72	48.60
10	10	100	102	135
20	12	240	244.80	324

#### Packaging:

Net 300 ml plastic cartridges

#### Technical Properties

Appearance	: High viscosity silicone sealant	
Color	: Pls. see the color chart on page 18	
Application Temperature	: Between +5°C and +35°C	
Service Temperature	: -40°C / +150°C	
Motility	: ± 25% (TS EN ISO 11600)	
	<b>Glossy</b>	<b>Matte</b>
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>	: 1.35 ± 0.05 g/cm <sup>3</sup>
Surface Drying Time	: 10 ± 5 minutes	: 10 ± 5 minutes
Curing Rate	: 3 mm / 24 hours	: 3 mm / 24 hours
Hardness (Shore A)	: 22 ± 5	: 36 ± 5
Tensile Strength	: ≥ 1 MPa	: ≥ 1 MPa
Elongation at Break	: > 500% (14 days)	: > 400% (14 days)

## SS 937

### Aquarium Silicone Sealant

#### Description:

High quality, **100% silicone**, single component (acetoxo), **solvent-free** sealant cured with the moisture in the air. Specifically developed for **aquariums** and can be used indoor and outdoor.

#### Application Areas:

- Indoor and outdoor,
- Inside the aquariums,
- Potable water tanks.

#### Advantages:

- **Single component**, easy to apply.
- Not harmful to fish and other aquarium organisms.
- **Does not contain solvent**, durable. Does not shrink, sag or peel off.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion** property.
- **Resistant to UV**, does not crack or turn to yellow. Resistant to abrasion.
- Not affected from weather conditions after one hour when cured.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) once cured.
- Resistant to detergents, cleaning materials and diluted chemical solutions.
- Not harmful or poisonous.

#### Consumption:

Varies depending on the application surface.

#### Packaging:

Net 300 ml plastic cartridges

#### Technical Properties

Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.01 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35°C
Surface Drying Time	: 20 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 400% (14 days)
Service Temperature	: -40°C / +150°C



## SS 939 Mirror Silicone Sealant

### Description:

High quality, **100% silicone**, single component, neutral, solvent-free sealant cured with the moisture in the air for bonding **mirrors** and ceramics without damaging the glazed surfaces.

### Application Areas:

- Indoor and outdoor,
- Fixing all kinds of mirrors,
- Joint combinations of glass, aluminum and glazed surfaces,
- Fixing the wall tiles and accessories with glazed surfaces.

### Advantages:

- **Single component**, easy to apply.
- Can be used in fixing mirrors in different shapes and designs to aluminum, glass, ceramic, concrete and wooden surfaces.
- **Does not contain solvent**, durable. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Tolerates small movements and protects its sealing properties in joints, thanks to its **high adhesion** property.
- Highly elastic and turns to its original form without being distorted.
- Not affected from weather conditions after one hour when cured.
- Prevents mold and fungus formation.
- Odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) once cured.
- Not harmful or poisonous.

### Consumption:

Varies depending on the application surface.

### Packaging:

Net 300 ml plastic cartridges

### Technical Properties

Appearance	: High viscosity silicone sealant
Color	: Pls. see the color chart on page 18
Density	: 1.02 ± 0.02 g/cm <sup>3</sup>
Application Temperature	: Between +5°C and +35°C
Surface Drying Time	: 10 ± 5 minutes
Curing Ratio	: 3 mm / 24 hours
Hardness (Shore A)	: 22 ± 5
Tensile Strength	: ≥ 1 MPa
Elongation at Break	: > 400% (14 days)
Service Temperature	: -40°C / +150°C



## PU 960 Multi-Purpose Polyurethane Foam

### Description:

Single component, general purpose **polyurethane** foam which is cured by expanding with the moisture in the air.

### Application Areas:

- Inner and outer expansion joints of buildings,
- Terrace dilatations,
- Installation and isolation of frames of doors and windows,
- Isolation of hot and cold water pipes, electrical installations,
- Filling gaps, wide cracks and holes.

### Advantages:

- Bonds perfectly on all types (except PE, PP, teflon) of surfaces.
- Has high thermal and acoustic isolation property.
- Resistant to all kinds of weather conditions and vapor.
- Water impermeable, mould resistant and overpaintable.
- Expands up to 40 liters depending on humidity and temperature.
- Does not contain propellant gases harmful to ozone layer.

### Consumption:

Varies depending on the application area. Consumption can be controlled by the angle of the spray and the applied pressure.

### Packaging:

750 ml (600 g) and 750 ml (850 g) pressurized tin cans

### Technical Properties

Appearance	: Light yellow - white colored foam
Density	: 25 ± 3 g/cm <sup>3</sup> (ASTM D1622)
Surface Drying Time	: 7 - 12 minutes (ASTM C1620) (1 cm width)
Cutting Time	: 35 - 45 minutes (ASTM C1620) (1 cm width)
Fire Class of the Cured Foam	: B3 (DIN 4102)
Expansion Ratio	: 150% - 200%
Compressive Strength	: 3 N/mm <sup>2</sup> (DIN 53421)
Yield	: 35 - 40 L/1000 ml (ASTM C 1536)
Thermal Conductivity	: 0.030 W/mK (20°C) (DIN 52612)
Application Temperature	: Between +5°C and +30°C
Service Temperature	: -40°C / +80°C



## PU 962 Multi-Purpose Professional Polyurethane Foam

### Description:

Single component, general purpose **polyurethane** foam which is cured by expanding with the moisture in the air, used with its special application gun.

### Application Areas:

- Inner and outer expansion joints of buildings,
- Terrace dilatations,
- Installation and isolation of frames of doors and windows,
- Isolation of hot and cold water pipes, electrical installations,
- Filling gaps, wide cracks and holes.

### Advantages:

- Bonds perfectly on all types (except PE, PP, teflon) of surfaces.
- Dries faster and is more elastic than foams with straws.
- Has high thermal and acoustic isolation property.
- Resistant to all kinds of weather conditions and vapor.
- Water impermeable, mould resistant and overpaintable.
- Expands up to 55 liters depending on humidity and temperature.
- Does not contain propellant gases harmful to ozone layer.

### Consumption:

Varies depending on the application area. Consumption can be controlled by the angle of the spray and the applied pressure.

### Packaging:

750 ml (850 g) pressurized tin cans

### Technical Properties

Appearance	: Light yellow - white colored foam
Density	: 20 ± 3 g/cm <sup>3</sup> (ASTM D1622)
Surface Drying Time	: 7 - 10 minutes (ASTM C1620) (1 cm width)
Cutting Time	: 25 - 35 minutes (ASTM C1620) (1 cm width)
Fire Class of the Cured Foam	: B3 (DIN 4102)
Expansion Ratio	: 70% - 100%
Compressive Strength	: 2.5 N/mm <sup>2</sup> (DIN 53421)
Yield	: 45 - 55 L/1000 ml (ASTM C 1536)
Thermal Conductivity	: 0.030 W/mK (20°C) (DIN 52612)
Application Temperature	: Between +5°C and +30°C
Service Temperature	: -40°C / +80°C



# TECHNICAL ADHESIVES





## POLYMERA® MS 950

### MS Polymer Based Multi-Purpose Elastic Adhesive

#### Description:

**MS Polymer** based, single component, elastic, solvent and isocyanate free, hybrid **construction sealant** and adhesive.

#### Application Areas:

- Indoor and outdoor,
- Joint combinations and adhesion of aluminum, wood, metal and glass,
- All kinds of cladding facade joints,
- Intersection and adhesion details of prefabricated elements,
- Filling joints and adhesion of natural materials such as marble, natural stone and granite,
- Joint combinations and adhesion of glass, ceramic, tiles and glazed surfaces,
- Joints of sheet and metal for adhesion, isolation and the absorption of the vibrations in the production of automotive, container, vehicle body and caravan,
- Joints and adhesion of stainless, galvanized or black steels,
- Production and installation of ventilation ducts and air conditioners.

#### Advantages:

- **Single component**, easy to apply.
- Tolerates all kinds of movements and protects its isolation properties in joints thanks to its **high modulus (HM)** and **high adhesion property**.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Durable as it does not contain **solvent** and **isocyanate**. Does not shrink, sag or peel off.
- Provides strong and elastic adhesion in buildings and vehicles exposed to vibrations.
- Can be overpainted with waterborne and other types of paints.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

#### Consumption:

In adhesion applications, the consumption amount varies depending on the application surface and the load.

In sealant applications, please refer to the table below.

Width of the joint mm	Depth of the joint mm	Consumption ml (per 1 m)	Consumption g (per 1 m)
6	6	36	55.8
10	10	100	155
20	12	240	372

#### Packaging:

290 ml plastic cartridges and 600 ml aluminum sausages

#### Technical Properties

Appearance	: High viscosity MS paste
Color	: Pls. see the color chart on page 18
Density	: 1.55 ± 0.05 g/cm <sup>3</sup>
Hardness (Shore A)	: 50 ± 5
Film Formation Time	: 30 ± 10 minutes
Curing Rate	: 3 mm / 24 hours
Tensile Strength	: ≥ 1.80 MPa (DIN 53404)
Elongation at Break	: > 300% (7 days)
Application Temperature	: Between +5°C and +35°C
Service Temperature	: -40°C / +80°C



## POLYMERA® MS 960

### MS Polymer Based Auto Glass (Windshield) Adhesive

#### Description:

**MS Polymer** based, single component, elastic, solvent and isocyanate free, hybrid **windshield** adhesive.

#### Application Areas:

- Elastic bonding of vehicle glasses,
- Joints of sheet and metal for adhesion, isolation and the absorption of the vibrations in the production of automotive, container, vehicle body and caravan.

#### Advantages:

- **Single component**, easy to apply.
- Tolerates all kinds of movements and protects its isolation properties in joints thanks to its **high modulus (HM)** and **high adhesion property**.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Durable as it does not contain **solvent** and **isocyanate**. Does not shrink, sag or peel off.
- Provides strong and elastic adhesion in buildings and vehicles exposed to vibrations.
- Can be overpainted with waterborne and other types of paints.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

#### Consumption:

Varies depending on the application area and the load on it.

#### Packaging:

600 ml aluminum sausages

#### Technical Properties

Appearance	: High viscosity MS paste
Color	: Black
Density	: 1.47 ± 0.05 g/cm <sup>3</sup>
Hardness (Shore A)	: 65 ± 5
Film Formation Time	: 25 ± 10 minutes
Curing Rate	: 4 mm / 24 hours
Tensile Strength	: ≥ 3 MPa (DIN 53404)
Elongation at Break	: > 300% (7 days)
Application Temperature	: Between +5°C and +35°C
Service Temperature	: -40°C / +80°C



## POLYMERA® MS 953

### MS Polymer Based Transparent Adhesive

#### Description:

**MS polymer** based, single component, elastic, solvent and isocyanate free, **transparent** sealant and adhesive.

#### Application Areas:

- Indoor and outdoor,
- Applications where transparent adhesives and sealing materials are required,
- Installation and isolation of glass, mirror and glazed surfaces,
- Joint combinations and adhesion of aluminum, wood, metal and glass,
- Joints of sheet and metal for adhesion, isolation and the absorption of the vibrations in the production of automotive, container, vehicle body and caravan,
- Filling joints and adhesion of natural materials such as marble, natural stone and granite.

#### Advantages:

- **Single component**, easy to apply.
- Can be used on all kinds of different colored surfaces as it is **transparent**.
- Tolerates all kinds of movements and protects its isolation properties in joints thanks to its **high modulus (HM)** and **high adhesion property**.
- Does not lose volume or mass when cured.
- Does not cause bubbles following applications on damp surfaces.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Durable as it does not contain **solvent** and **isocyanate**. Does not shrink, sag or peel off.
- Provides strong and elastic adhesion in buildings and vehicles exposed to vibrations.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

#### Consumption:

When used as an adhesive, consumption varies depending on the application surface and the load.

When used as a sealant, please refer to the table below.

Width of the joint mm	Depth of the joint mm	Consumption ml (per 1 m)	Consumption g (per 1 m)
6	6	36	37.8
10	10	100	105
20	12	240	252

#### Packaging:

290 ml plastic cartridges and 600 ml aluminum sausages

#### Technical Properties

Appearance	: High viscosity MS paste
Color	: Transparent
Density	: 1.05 ± 0.03 g/cm <sup>3</sup>
Hardness (Shore A)	: 40 ± 5
Film Formation Time	: 50 ± 10 minutes
Curing Rate	: 2 mm / 24 hours
Tensile Strength	: ≥ 1.50 MPa (DIN 53404)
Elongation at Break	: > 150% (DIN 53504)
Application Temperature	: Between +5°C and +35°C
Service Temperature	: -40°C / +80°C



## FX1 FIX&GO

### MS Polymer Fast Setting Adhesive

#### Description:

**MS polymer based**, single component, hard-elastic, solvent and isocyanate free, **fast-curing, strong** adhesive with **high initial tack**.

#### Application Areas:

- Indoor and outdoor,
- Installation of curtain tracks and roller blinds,
- Fast installation and bonding of almost all kinds of materials,
- Installation of wood and composite materials,
- Elastic bonding of metals (aluminum, steel and stainless steel, anodized aluminum, brass, copper etc.)
- Installation and bonding of ventilation systems,
- Fast installation in bath, kitchen and sanitary areas,
- Fast installation and bonding of natural materials such as marble, natural stone, granite.

#### Advantages:

- **Has high initial tack**, provides fast installation. Can be opened for use quickly.
- **Single component**, easy to apply.
- Durable as it does not contain **solvent and isocyanate**. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Bonds even under the water.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even at low and high temperatures (-40°C and +80°C) once cured.

#### Consumption:

Varies depending on the application surface and the load.

#### Packaging:

290 ml plastic cartridges  
600 ml aluminum sausages

Technical Properties	
Appearance	: High viscosity MS paste
Color	: Pls. see the color chart on page 18
Density	: 1.50 ± 0.05 g/cm <sup>3</sup>
Hardness (Shore A)	: 65 ± 5
Film Formation Time	: 7 ± 3 minutes
Curing Rate	: 3 mm / 24 hours
Tensile Strength	: ≥ 2.5 MPa (DIN 53404)
Elongation at Break	: > 150% (14 days)
Application Temperature	: Between +5°C and +35°C
Service Temperature	: -40°C / +80°C



## EPDM BOND

### Neutral Silicone Based EPDM Adhesive

#### Description:

**Neutral silicone based**, single component, solvent or isocyanate free elastic adhesive for bonding **EPDM membranes** and coverings.

#### Application Areas:

- Indoor and outdoor,
- Bonding and fixing of EPDM membranes and coverings.

#### Advantages:

- **Single component**, easy to apply.
- Bonds **EPDM** membranes and coverings strongly to the surface.
- Can be used in joints of EPDM membranes and coverings as adhesive and for isolation purposes.
- Tolerates all kinds of movements and protects its isolation properties in joints thanks to its **high adhesion property**.
- Provides strong and elastic adhesion in buildings exposed to vibrations.
- Does not lose volume or mass when cured.
- Durable, does not contain **solvent and isocyanate**. Does not shrink, sag or peel off.
- **Resistant to UV**, does not crack or turn to yellow. Can be used outdoor.
- Prevents mold and fungus formation.
- Cures neutrally, odorless.
- Protects its elasticity even at low and high temperatures (-40°C and +150°C) once cured.

#### Consumption:

Varies depending on the application surface.

#### Packaging:

600 ml aluminum sausages

Technical Properties	
Appearance	: High viscosity silicone paste
Color	: Black
Density	: 1.35 ± 0.05 g/cm <sup>3</sup>
Hardness (Shore A)	: 35 ± 5
Film Formation Time	: 10 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Tensile Strength	: ≥ 1.3 MPa (DIN 53404)
Elongation at Break	: > 400% (DIN 53504)
Application Temperature	: Between +5°C and +40°C
Service Temperature	: -40°C / +150°C



## POLAN® 975

### Polyurethane Based Wood and Marine Adhesive

#### Description:

**Polyurethane** based, single component, multi-purpose **wood and marine** adhesive.

#### Application Areas:

- Indoor and outdoor,
- Repairing wooden balustrade, staircases, door frames and in fixing them to various surfaces such as metal, concrete etc.
- Furniture production,
- Boat construction.

#### Advantages:

- **Single component** and easy to apply thanks to its low viscosity.
- Has **high adhesive** property.
- Does not lose volume or mass when cured.
- **Resistant to water**. Class D4 according to DIN EN 204 Standard.
- Prevents mold and fungus formation.
- Adheres perfectly on many surfaces without primer.
- Protects its elasticity even in low and high temperatures (-30°C and +100°C) once cured.

#### Consumption:















Approximately 150 ml/m<sup>2</sup>

#### Packaging:

600 g plastic bottles

Technical Properties	
Appearance	: Light brown colored flowable adhesive
Density	: 1.10 ± 0.05 g/cm <sup>3</sup>
Film Formation Time	: 50 ± 10 minutes
Application Temperature	: Between +5°C and +35°C
Service Temperature	: -30°C / +100°C

# Sealants Color Chart

Product Color Chart		MS Polymer Sealants		Polyurethane Sealants		Acrylic Sealants		Silicone Sealants										MS Polymer Adhesives			Silicone Adhesives				
		POLYMERA MS 925	POLYMERA MS 940	PU 970	PU 971	AS 910	SS 930E	SS 930	SS 930X	SS 931	SS 932	SS 932X	SS 933 RTV	SS 934 CONSTRUCTION (MATTE)	SS 934 CONSTRUCTION (GLOSSY)	SS 994 FACADE	SS 935	SS 936	SS 937	SS 939	POLYMERA MS 950	POLYMERA MS 960	POLYMERA MS 953	FX 1 FIX&GO	EPDM BOND
	Transparent						✓	✓	✓	✓	✓			✓		✓	✓	✓	✓			✓			
	White	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓		✓	✓				✓	
	Grey	✓	✓	✓	✓	✓		✓	✓				✓			✓	✓			✓					
	Silver Grey							✓	✓					✓											
	RAL 7046												✓												
	Anthracite							✓	✓				✓												
	Black	✓	✓	✓	✓	✓		✓	✓	✓			✓		✓	✓	✓	✓		✓	✓				✓
	RAL 1013							✓	✓				✓												
	RAL 1015							✓	✓				✓												
	Bronze							✓	✓					✓											
	Silvery Copper													✓											
	Golden Oak					✓		✓	✓				✓												
	Dark Brown	✓	✓			✓		✓	✓				✓			✓	✓								
	Red											✓													

\*All colors shown in this catalogue are the closest possible to the original colors, depending on the printing techniques. It may show slight differences with the original colors. The table above is for the standard and special colors in the FIXA price list. Other RAL colors are also produced upon request.

# Technical Adhesive Products Test Reports

## POLYMERA® MS 950 MS Polymer Based Multi-Purpose Elastic Adhesive

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-9-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** Ebru Ekin  
**ADDRESS** Firizkoy Mahallesi Aziz Cd. No. 16  
Avrular - Istanbul  
**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN FAÇADE ELEMENTS  
**TESTED MATERIAL** MS 950  
**RECEIPT DATE** 06.07.2017  
**TEST DATES** 18.07.2017 / 26.09.2017  
**REPORT EMISSION DATE** 05.10.2017

Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
T +34 91 492 50 01 (International calls)

Page 1 of 1

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-11-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** Ebru Ekin  
**ADDRESS** Firizkoy Mahallesi Aziz Cd. No. 16  
Avrular - Istanbul  
**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN SANITARY JOINTS  
**TESTED MATERIAL** MS 950  
**RECEIPT DATE** 06.07.2017  
**TEST DATES** 18.07.2017 / 26.09.2017  
**REPORT EMISSION DATE** 05.10.2017

Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
T +34 91 492 50 01 (International calls)

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-10-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** Ebru Ekin  
**ADDRESS** Firizkoy Mahallesi Aziz Cd. No. 16  
Avrular - Istanbul  
**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN GLAZING  
**TESTED MATERIAL** MS 950  
**RECEIPT DATE** 06.07.2017  
**TEST DATES** 18.07.2017 / 26.09.2017  
**REPORT EMISSION DATE** 05.10.2017

Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
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**Determination of adhesion/cohesion properties at variable temperatures according to UNE-EN ISO 9047:2004**

In the following table the obtained results are showed:

**Table VI - Adhesion/cohesion properties at variable temperatures**

Reference	Support	Samples	Type of breakage
MS 950	Glass	1	No failure
		2	No failure
		3	No failure

**Determination of tensile properties of sealants at maintained extension after immersion in water according to UNE-EN ISO 10599:2006**

In the following table the obtained results are showed:

**Table VII - Behaviour at maintained extension**

Reference	Support	Samples	Type of breakage	
MS 950	Glass	Test	1	No failure
			2	No failure
			3	No failure
		Reference	1	No failure
			2	No failure
			3	No failure

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Page 1 of 1

**Determination of tensile properties of sealants at maintained extension after immersion in water according to UNE-EN ISO 10599:2006**

In the following table the obtained results are showed:

**Table VIII - Behaviour at maintained extension**

Reference	Support	Samples	Type of breakage	
MS 950	Glass	Test	1	No failure
			2	No failure
			3	No failure
		Reference	1	No failure
			2	No failure
			3	No failure

**Determination of tensile properties at maintained extension according to UNE-EN ISO 8340:2006**

In the following table the obtained results are showed:

**Table IV - Tensile properties at maintained extension:  $T_{10} (23 \pm 2)^{\circ}C$**

Reference	Support	Samples	Type of breakage
MS 950	Glass	1	No failure
		2	No failure
		3	No failure

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**Determination of adhesion/cohesion properties at variable temperatures according to UNE-EN ISO 9047:2004**

In the following table the obtained results are showed:

**Table VI - Adhesion/cohesion properties at variable temperatures**

Reference	Support	Samples	Type of breakage
MS 950	Glass	1	No failure
		2	No failure
		3	No failure

**Determination of tensile properties of sealants at maintained extension after immersion in water according to UNE-EN ISO 10599:2006**

In the following table the obtained results are showed:

**Table VII - Behaviour at maintained extension**

Reference	Support	Samples	Type of breakage	
MS 950	Glass	Test	1	No failure
			2	No failure
			3	No failure
		Reference	1	No failure
			2	No failure
			3	No failure

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## EPDM BOND Neutral Silicone Based EPDM Adhesive

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 080024-001-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** Ebru Ekin  
**ADDRESS** Firizkoy Mahallesi Aziz Cd. No. 16  
Avrular - Istanbul  
**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN FAÇADE ELEMENTS  
**TESTED MATERIAL** EPDM BOND Neutral Silicone Based EPDM Adhesive  
**RECEIPT DATE** 04.06.2019  
**TEST DATES** 13.06.2019 / 05.09.2019  
**REPORT EMISSION DATE** 02.09.2019

Firmado digitalmente por SUSANA RODRIGUEZ GARCIA  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Lab\_services Division

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
T +34 91 492 50 01 (International calls)

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 080024-002-1-a

**CUSTOMER** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** EBRU EKIN  
**ADDRESS** FIRIZKOY MAHALLESIZ AZIZ CADDESINI NO: 16  
T34325 ESTAMBUL (TURQUIA)  
**PURPOSE** REACTION TO FIRE TEST REPORT ACCORDING TO EN ISO 11925-2:2010/AC:2011  
**TESTED SAMPLE** SEALANT  
REF. «EPDM BOND NEUTRAL SILICONE BASED EPDM ADHESIVE»  
**RECEPTION DATE** 04.06.2019  
**TEST DATES** 04.06.2019 - 02.07.2019  
**ISSUE DATE** 20.09.2019

Firmado digitalmente por PABLO GARMENDIA AL-TUNA  
Pablo Garmendia  
Safety Laboratory

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
T +34 91 492 50 01 (International calls)

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 080024-002-2-a

**CUSTOMER** FIXA CONSTRUCTION CHEMICALS  
**CONTACT PERSON** EBRU EKIN  
**ADDRESS** FIRIZKOY MAHALLESIZ AZIZ CADDESINI NO: 16  
T34325 ESTAMBUL (TURQUIA)  
**PURPOSE** REACTION TO FIRE CLASSIFICATION REPORT ACCORDING TO EN ISO 1191-1:2018  
**TESTED SAMPLE** SEALANT  
REF. «EPDM BOND NEUTRAL SILICONE BASED EPDM ADHESIVE»  
**RECEPTION DATE** 04.06.2019  
**TEST DATES** 04.06.2019 - 02.07.2019  
**ISSUE DATE** 20.09.2019

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Pablo Garmendia  
Safety Laboratory

TECNALIA RESEARCH & INNOVATION  
Paseo de la Castellana 222, 28014 Madrid, Spain  
T +34 91 492 50 00  
T +34 91 492 50 01 (International calls)

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# Technical Adhesive Products Test Reports

## POLYMER<sup>®</sup> MS 925 MS Polymer Based Sealant (LM)

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-1-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN FAÇADE ELEMENTS

**TESTED MATERIAL** MS 925

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

tecnaia TECNAIA RESEARCH & INNOVATION

Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

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Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

tecnaia TECNAIA RESEARCH & INNOVATION  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

REPORT No. 061889-1-a PAGE 1 / 1

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Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-2-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN GLAZING

**TESTED MATERIAL** MS 925

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

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Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

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28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

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Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
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Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-3-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN SANITARY JOINTS

**TESTED MATERIAL** MS 925

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

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Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

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Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

tecnaia TECNAIA RESEARCH & INNOVATION  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-4-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** UNE-EN ISO 846:1996 "Bactericidal Evaluation of the action of microorganisms", Method B, determination of fungistatic effects.

**TESTED MATERIAL** MS 925

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

tecnaia TECNAIA RESEARCH & INNOVATION

Josy Azcon  
Biology Laboratory Analyst  
Urban Environmental Health

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Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

tecnaia TECNAIA RESEARCH & INNOVATION  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

REPORT No. 061889-4-a PAGE 1 / 1

## SS 934 CONSTRUCTION Neutral Construction Silicone Sealant

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Notified Body n. 1292  
Regulation (EU) No 305/2011 - Construction products

**REPORT No.** 061889-6-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN FAÇADE ELEMENTS

**TESTED MATERIAL** SS 934

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

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Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

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Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

tecnaia TECNAIA RESEARCH & INNOVATION  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

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Notified Body n. 1292  
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**REPORT No.** 061889-7-a

**CLIENT** FIXA CONSTRUCTION CHEMICALS

**CONTACT PERSON** Ebru Ekin

**ADDRESS** Fixakoy Mahallesi Azir Cd. No: 16  
Avclar - Istanbul

**PURPOSE** CE MARKING TESTS FOR SEALANTS USED IN GLAZING

**TESTED MATERIAL** SS 934

**RECEIPT DATE** 06.07.2017

**TEST DATES** 18.07.2017 / 26.09.2017

**REPORT EMISSION DATE** 05.10.2017

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Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

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TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

tecnaia TECNAIA RESEARCH & INNOVATION  
Blanca Ruiz de Gauna  
Construction Materials Characterization  
Laboratory Manager  
Technological Services Division

TECNAIA RESEARCH & INNOVATION  
Avda. Madrid, 5  
28014 Madrid (Spain)  
T 91 546 43 00 | B 91 546 43 01

REPORT No. 061889-7-a PAGE 1 / 1





## FIXA CONSTRUCTION CHEMICALS LTD.

### Headquarters

Beylikdüzü OSB,  
Bakır ve Pirinç San. Sit.  
Mustafa Kurdođlu Cad. No:14  
Beylikdüzü - İstanbul  
P +90 212 690 92 92 (pbx)  
F +90 212 428 62 85

### İstanbul Factory

Firüzköy Mahallesi,  
Aziz Cad. No:16  
Avcılar - İstanbul  
P +90 212 428 62 83 (pbx)  
F +90 212 428 62 86

### Adana Factory

Hacı Sabancı OSB,  
Süleyman Demiel Bulvarı No:30  
Yüređir - Adana  
P +90 322 394 42 42 (pbx)  
F +90 322 394 42 65


### Ankara Factory


Başkent OSB,  
19. Cadde No:74  
Maliköy Temelli - Ankara  
P +90 312 640 16 61 (pbx)  
F +90 312 640 16 76

### FIXA UK

17 Green Lanes, London,  
England, N16 9BS UK  
P: +44 (0) 2081760680  
  
www.fixaco.uk  
info@fixaco.uk  
@fixaconstructionchemicals

 fixayapikimyasallari

 fixa\_yapi\_kimyasallari

 Fixa Yapı Kimyasalları



 export@fixa.com.tr

 www.fixa.com.tr