



Fixa Construction Chemicals

Sealants & Technical Adhesives

2026

About Us



High-tech chemicals play a key role in constructing buildings that provide comfort for happy lives. Since 2001, FİXA has been producing innovative construction chemicals for cozy homes and buildings with high living standards.



Product Categories



We produce high quality innovative products in 11 product categories.

We also produce white and carbon added EPS in IGLOO, our insulation company.



Waterproofing
Systems



Floor
Systems



Mold Release
Agents and Curing
Components



Tile
Grouts



Sealants



Thermal
Insulation
Systems



Cement Based
Plasters and
Bonding Mortars



Technical
Adhesives



Repair,
Reinforcement and
Restoration



Concrete
and Mortar
Admixtures



Tile and Ceramic
Adhesives



Milestones



**2001
FOUNDED**
to produce high quality
innovative construction
chemicals.

**2009
ADANA FACTORY**
was established.



**2012
IGLOO EPS
PRODUCTION
FACILITIES**
were established in a
factory in Beylikdüzü.



**2014
SILICONE SEALANT**
facilities were established in
Avclar factory.
REWARDED
with AQUAMER HB INVISIBLE as
the Waterproofing Material of
the Year.



**2019
AGREGATE FACILITIES**
were established in
Avclar factory.
REWARDED
with EPDM BOND as the year's
facade systems component.



**2004
AVCILAR FACTORY**
was established with
increased production capacity.



**2011
ANKARA FACTORY**
was established.



**2013
REWARDED**
with POLYMER MS as the
Waterproofing Material of the Year.



**2018
PUBLISHED**
Aderans trusted
reference in the industry.



**2022
FIXA UK**
was founded in London to develop
products for the UK market.

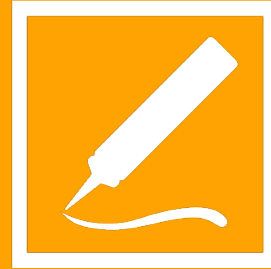


Achievement Award Of
Isolation Industry
2013
Product of the year
for water
impermeability





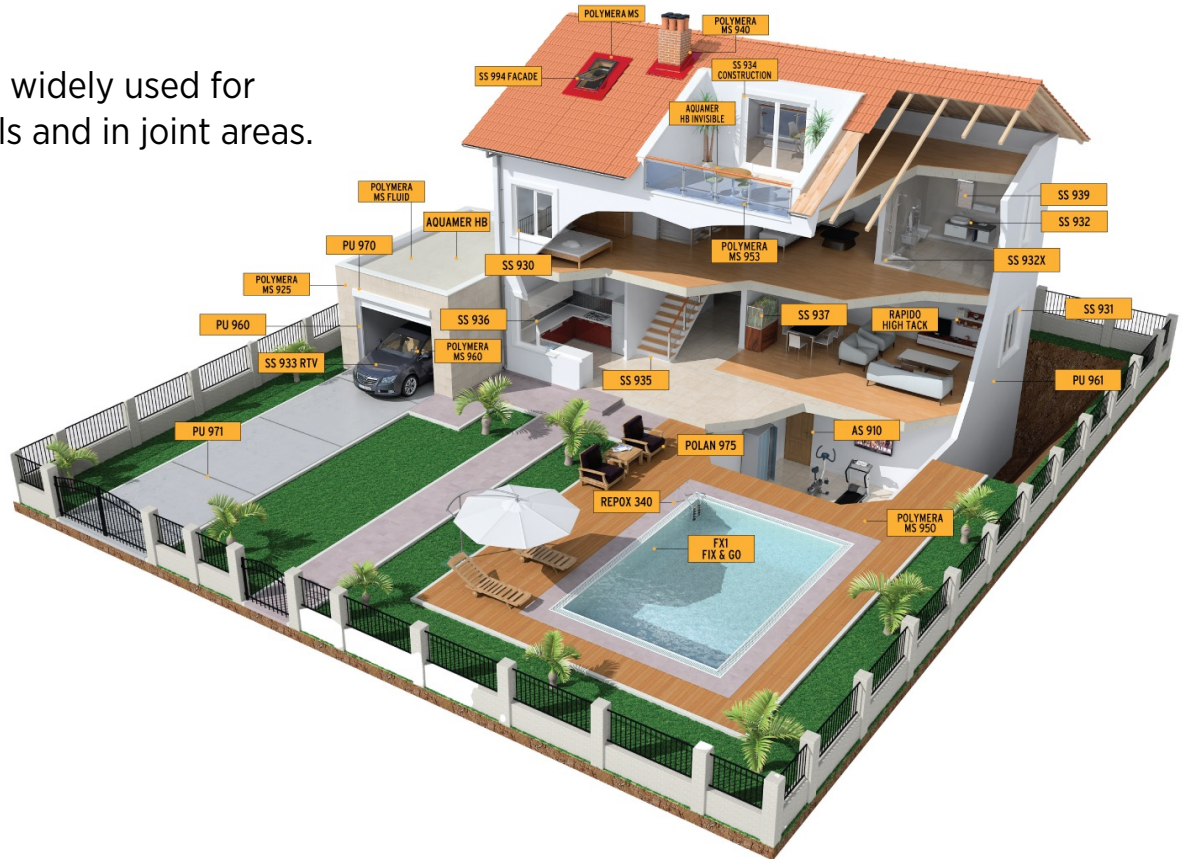
Sealants



Technical
Adhesives

Sealants & Technical Adhesives

Sealants and Technical Adhesives are widely used for bonding all types of building materials and in joint areas.



➤ **MS Polymer Sealants (Construction)**

POLYMER[®] MS 925 MS Polymer Based Sealant (LM)
POLYMER[®] MS 940 MS Polymer Based Sealant (HM)

➤ **Polyurethane Sealants**

PU 970 Polyurethane Low Modulus Sealant (LM)
PU 971 Polyurethane High Modulus Sealant (HM)

➤ **Acrylic Sealants**

AS 910 Siliconized Acrylic Sealant

➤ **Silicone Sealants**

SS 930E Multi-Purpose Silicone Sealant
SS 930 Multi-Purpose Silicone Sealant
SS 930X Multi-Purpose Silicone Sealant
SS 931 Universal Silicone (100% Silicone)
SS 932 Sanitary Silicone Sealant
SS 932X Sanitary Sealant
SS 933 RTV Heat Resistant Silicone Sealant
SS 934 CONSTRUCTION Neutral Construction Silicone Sealant
SS 994 FACADE Neutral Construction, Facade Sealant (Weatherseal)
SS 935 Marble and Natural Stone Silicone Sealant
SS 936 Neutral Silicone Sealant
SS 937 Aquarium Silicone Sealant
SS 939 Mirror Silicone Sealant

➤ **Polyurethane Foams**

PU 960 Multi-Purpose Polyurethane Foam
PU 962 Multi-Purpose Professional Polyurethane Foam



➤ MS Polymer Sealants

➤ MS Polymer Sealants

POLYMER[®] MS 925 MS Polymer Based Sealant (LM)

POLYMER[®] MS 940 MS Polymer Based Sealant (HM)

Sealants – MS Polymer Sealants



We are proud to be the first manufacturer of **MS Polymer** technology developed by Japanese **Kaneka** in **Türkiye**.

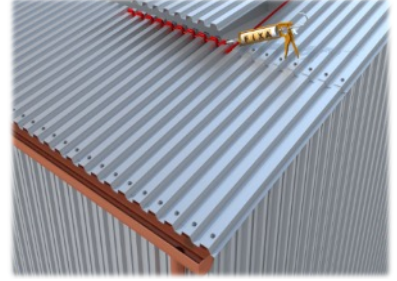


POLYMER MS 925

MS Polymer Based Sealant (LM)

POLYMER MS 940

MS Polymer Based Sealant (HM)



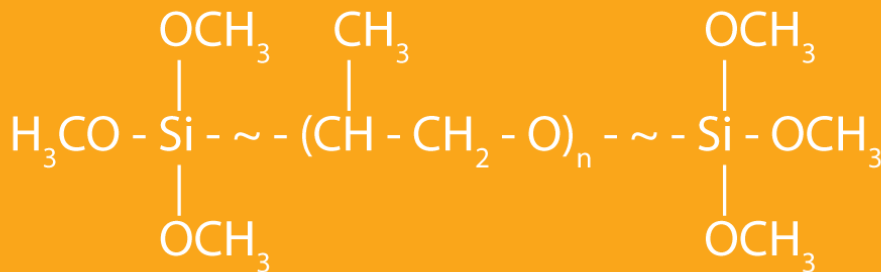
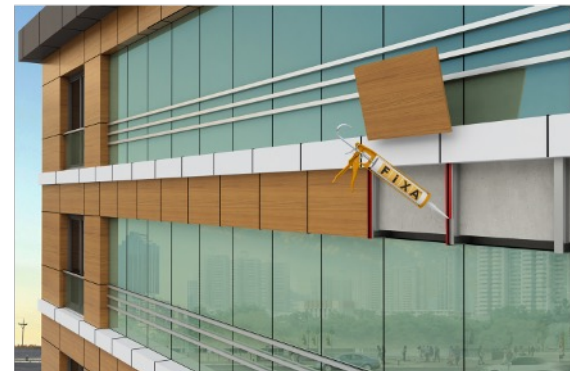
What are the **advantages** of **MS Polymer** Technology?

1. Provides strong adhesion and bonding
2. Can be applied to damp surfaces
3. Has high mechanical strength
4. Exhibits strong atmospheric resistance (UV resistant)
5. Does not form air bubbles
6. Does not stain
7. Paintable
8. Dirt-resistant
9. Does not shrink
10. Has low VOC content
11. Can be used without primer

ADVANTAGES

1. Provides Strong Adhesion and Bonding

- ✓ Provides excellent performance in sealing and bonding of various materials used in construction and industry.
- ✓ While polyurethane products adhere to surfaces with a single bond, MS Polymer Sealants bond with a 3 bond structure.



ADVANTAGES

1. Provides Strong Adhesion and Bonding

- ✓ Adheres and bonds perfectly to surfaces such as **concrete, stone, marble, ceramic, tiles, wood, glass, all types of metal, roof tiles, bricks, cement boards, and aerated concrete**, as well as any **combination of these**.



ADVANTAGES

2. Can be Applied to Damp Surfaces

- ✓ Can be applied even on damp surfaces without using primer.



ADVANTAGES

3. Has High Mechanical Strength

- ✓ MS Polymer products, with their very special polymeric structure, are both **flexible** and **elastic**.
- ✓ Thanks to their ability to recover without deformation, they provide significant advantages in buildings located in earthquake-prone zones and in industrial applications



ADVANTAGES

3. Has High Mechanical Strength

- ✓ They do not lose their properties when exposed to vibrations and are not affected by the **expansion** and **contraction** movements of the material they bond to.

Construction



Industry



Transportation



ADVANTAGES

4. Exhibits Strong Atmospheric Resistance (UV Resistant)

Polyurethane (PU) Sealants

Weather conditions cause PU-based materials to deteriorate over time by losing their properties.



MS Polymer Sealants

MS Polymer materials offer outstanding durability against UV rays and weather events like rain and snow, preserving their properties over the years.



ADVANTAGES

5. Does Not Form Air Bubbles

Polyurethane (PU) Sealants

Air bubbles inside PU filler material cause deformation over time.



MS Polymer Sealants

Since MS Polymer materials do not contain isocyanates, they do not form air bubbles.



ADVANTAGES

6. Does Not Stain

- ✓ Silicone-based materials contain oils that provide plasticity.
- ✓ These oils penetrate porous materials such as marble and granite that come into contact with the silicone.
- ✓ They cause staining and discoloration on the surfaces of the materials they contact.



Silicone Application

ADVANTAGES

6. Does Not Stain

- ✓ **MS Polymer** based materials **do not cause staining** on porous surfaces such as granite, marble, and natural stone.



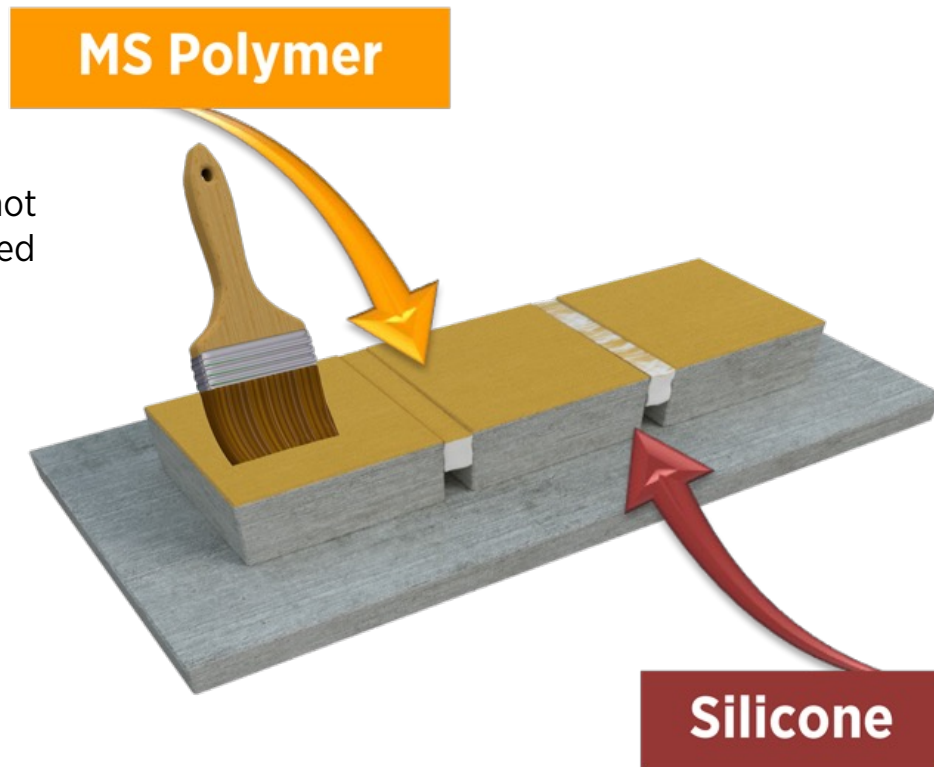
MS Polymer Application



ADVANTAGES

7. Paintable

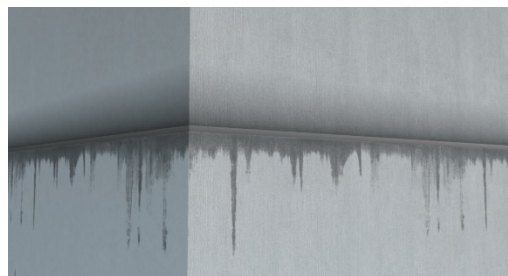
- ✓ Unlike silicone-based materials which do not hold paint, the surface of MS Polymer-based materials can be painted with any type of paint.



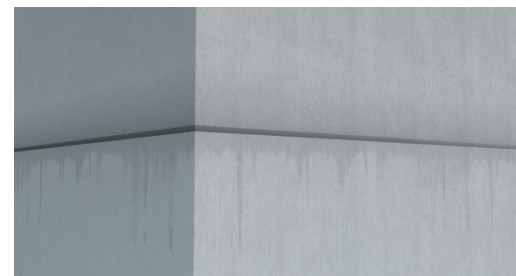
ADVANTAGES

8. Dirt-resistant

- ✓ Silicone-based sealants exposed to intense static electricity tend to attract airborne dust particles. As a result, dirt builds up on facade surfaces over time.



Silicone



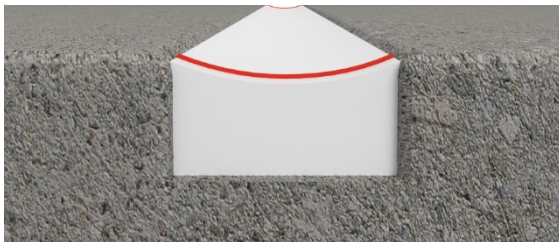
MS Polymer



MS Polymer products do not possess a **static charge** that attracts and retains dust particles.

ADVANTAGES

9. Does Not Shrink



PU

The solvent contained in polyurethane-based materials evaporates during the curing process, causing shrinkage in the applied product.



MS Polymer

MS Polymer-based materials are solvent-free, do not shrink.

ADVANTAGES

9. Does Not Shrink

Under the European Parliament's decision of April 21, 2004, and Regulation No. 2004/42/EC, limitations have been placed on products containing organic solvents, while promoting the use of products with low VOC content.



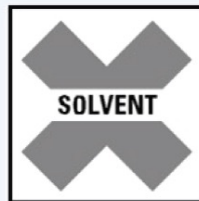
*VOC = Volatile Organic Compound

ADVANTAGES

10. Has Low VOC Content



- ✓ MS Polymer based products do not contain harmful substances such as solvents and isocyanates.
- ✓ As a result, their VOC levels are very low.
- ✓ They are odorless.
- ✓ They do not harm the environment or human health.



Solvent Free

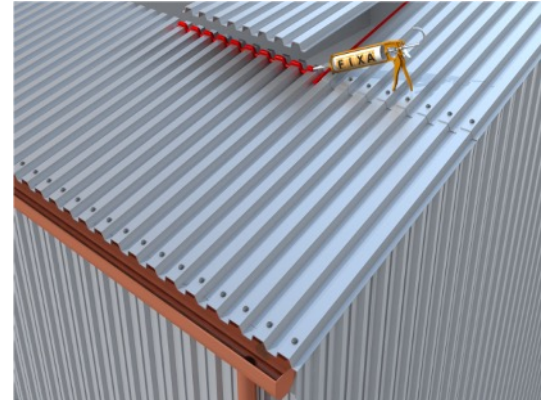


Eco Friendly

ADVANTAGES

11. Can Be Used Without Primer

- ✓ Due to its strong bond structure, it adheres excellently to many surfaces without the need for a primer.



POLYMERA[®] MS 925

MS Polymer Based Sealant (LM) (290 ml – 600 ml)



- ✓ **MS Polymer** based, single component, **low modulus (LM)**, elastic, solvent and isocyanate free, hybrid construction and joint sealant.
- ✓ Hardness Shore A: 28



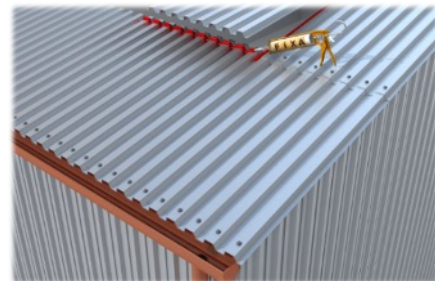


POLYMER[®] MS 925

MS Polymer Based Sealant (LM)

Application Areas:

- ✓ Interior and exterior,
- ✓ Expansion joints of high-rise buildings,
- ✓ Construction joints and rain gutters,
- ✓ Joint details of prefabricated elements,
- ✓ Waterproofing of roofing materials,





POLYMER[®] MS 925

MS Polymer Based Sealant (LM)

Application Areas:

- ✓ Bathroom, kitchen, shower cabin, sink, countertop joints,
- ✓ Glass, ceramic, tile joints,
- ✓ Joints of natural materials such as marble, natural stone, and granite,
- ✓ Sealing of windows, doors, and roofs.





POLYMER[®] MS 925

MS Polymer Based Sealant (LM)

Advantages:

- ✓UV resistant, crack-proof
- ✓Low modulus (LM)
- ✓High adhesion strength
- ✓Solvent-free



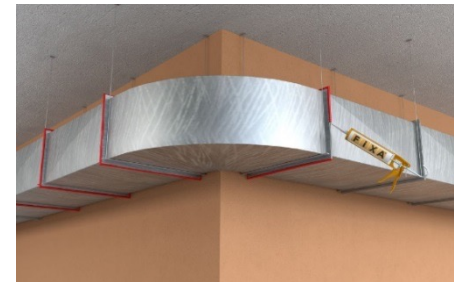


POLYMER[®] MS 940

MS Polymer Based Sealant (HM)

Application Areas:

- ✓ Joints of containers, vans, and similar cabins and box structures,
- ✓ Assembly and joining of wood, metal, PVC, concrete, betopan, and many composite cabins, buildings, containers, etc.
- ✓ Joint areas of ventilation ducts,
- ✓ Floor concrete joints.



POLYMER[®] MS 940

MS Polymer Based Sealant (HM) (290 ml – 600 ml)



- ✓ **MS Polymer** based, single component, **high modulus (HM)**, elastic, solvent and isocyanate-free, hybrid construction and joint sealant.
- ✓ Hardness Shore A: 40



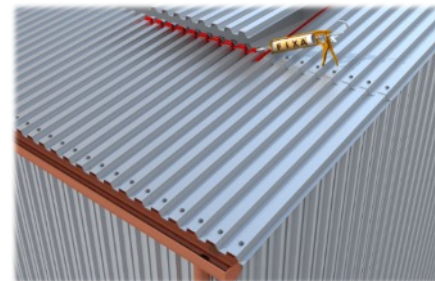


POLYMER[®] MS 940

MS Polymer Based Sealant (HM)

Application Areas:

- ✓ Interior and exterior,
- ✓ Expansion joints of high-rise buildings,
- ✓ Construction joints and rain gutters,
- ✓ Joint details of prefabricated elements,
- ✓ Waterproofing of roofing materials,





POLYMER[®] MS 940

MS Polymer Based Sealant (HM)

Advantages:

- ✓ UV resistant, crack-proof
- ✓ High-modulus (HM)
- ✓ High adhesion strength
- ✓ Solvent-free



Comparison of Polymera MS 925 and Polymera MS 940

Technical Properties	MS 925	MS 940
Density	: $1.40 \pm 0.05 \text{ g/cm}^3$	$1.37 \pm 0.05 \text{ g/cm}^3$
Joint Movement	: $\pm 25\%$ (TS EN ISO 11600)	
Hardness (Shore A)	: 28 ± 3 (DIN 53505)	40 ± 5 (DIN 53505)
Surface Dry Time	: 200 ± 30 minutes	70 ± 30 minutes
Curing Rate	: 2.5 - 3 mm / 24 hours	3 mm / 24 hours
Elongation at Break	: $> 500\%$ (7 days) (DIN 53504)	$> 400\%$ (7 days) (DIN 53504)
100% Modulus	: $< 0.40 \text{ N/mm}^2$ Low Modulus (LM)	$> 0.50 \text{ N/mm}^2$ High Modulus (LM)
Application Temperature	: Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$	Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$
Service Temperature	: Between -40°C and $+80^\circ\text{C}$	Between -40°C and $+80^\circ\text{C}$



➤ Polyurethane Sealants

➤ Polyurethane Sealants

PU 970 Polyurethane Low Modulus Sealant (LM)

PU 971 Polyurethane High Modulus Sealant (HM)

Sealants – Polyurethane Sealants



PU 970

Polyurethane Low Modulus Sealant (LM)

PU 971

Polyurethane High Modulus Sealant (HM)



PU 970

Polyurethane Low Modulus Sealant (LM) (280 ml – 600 ml)



- ✓ **Polyurethane based**, single component, **low modulus (LM)** sealant.
- ✓ Ideal for **static** and **dynamic** expansion joints of construction elements.



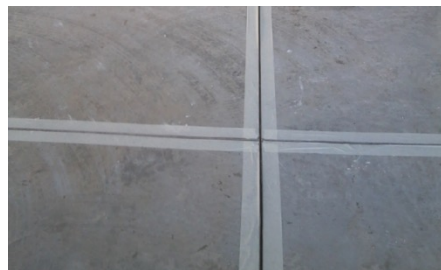


PU 970

Polyurethane Low Modulus Sealant (LM)

Application Areas:

- ✓ 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.





PU 970

Polyurethane Low Modulus Sealant (LM)

Advantages:

- ✓ Low modulus (LM)
- ✓ High adhesion strength
- ✓ Paintable
- ✓ Resistant to ageing



PU 971

Polyurethane High Modulus Sealant (HM) (280 ml – 600 ml)



- ✓ **Polyurethane based**, single component, **high modulus (HM)** sealant and adhesive.
- ✓ Provides **adhesion** and **sealing** in roofs, facades, sandwich panels, containers, wood, metal, composite and prefabricated structural elements.



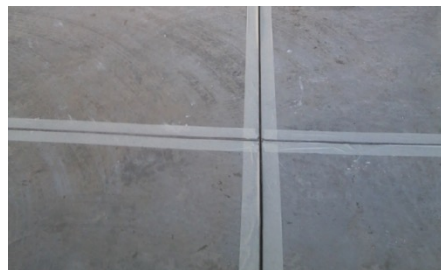


PU 971

Polyurethane High Modulus Sealant (HM)

Application Areas:

- ✓ 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.





PU 971

Polyurethane High Modulus Sealant (HM)

Advantages:

- ✓ High modulus (HM)
- ✓ Very high shock absorption
- ✓ High adhesion strength
- ✓ Paintable
- ✓ Resistant to ageing



Comparison of PU 970 and PU 971

Technical Properties	PU 970	PU 971
Density	: $1.15 \pm 0.05 \text{ g/cm}^3$ (DIN 53479)	$1.15 \pm 0.05 \text{ g/cm}^3$ (DIN 53479)
Surface Dry Time	: 90 ± 30 minutes	70 ± 30 minutes
Application Temperature	: Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$	Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$
Curing Rate	: 2 mm / 24 hours	2 mm / 24 hours
Elongation at Break	: $> 1000\%$ (14 days) (DIN 53504)	$> 800\%$ (14 days) (DIN 53504)
Hardness (Shore A)	: 25 ± 5 (DIN 53505)	40 ± 5 (DIN 53505)
Tensile Strength	: $> 1.5 \text{ N/mm}^2$ (DIN 53504)	$> 2 \text{ N/mm}^2$ (DIN 53504)
100% Modulus	: $> 0.40 \text{ N/mm}^2$ (DIN 53504)	$> 0.50 \text{ N/mm}^2$ (DIN 53504)
Volume Change	: $\sim 5\%$	$\sim 5\%$
Sagging	: $< 2 \text{ mm}$ (DIN EN ISO 7390)	$< 2 \text{ mm}$ (DIN EN ISO 7390)
Service Temperature	: Between -30°C and $+80^\circ\text{C}$	Between -30°C and $+80^\circ\text{C}$



➤ Acrylic Sealants

➤ Acrylic Sealants

AS 910 Siliconized Acrylic Sealant

AS 910

Siliconized Acrylic Sealant (500 gr gross)



- ✓ Acrylic dispersion based, **silicone added**, single component, multi-purpose sealant resistant to weather conditions.
- ✓ Economical and ideal for static joints in buildings.
- ✓ Hardness Shore A: 30





AS 910

Siliconized Acrylic Sealant

Application Areas:

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





AS 910

Siliconized Acrylic Sealant

Advantages:

- ✓ Easy to apply
- ✓ Odorless
- ✓ Paintable
- ✓ Waterborne



Acrylic Sealants Technical Properties Table

Technical Properties	AS 910
Density	: $1.60 \pm 0.05 \text{ g/cm}^3$ (DIN 53479)
Application Temperature	: Between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$
Surface Drying Time	: 80 ± 30 minutes
Elongation at Break	: $\geq 150\%$ (28 days)
Curing Rate	: 2 mm / 24 hours
Service Temperature	: Between -20°C and $+120^{\circ}\text{C}$



➤ Silicone Sealants

➤ Silicone Sealants

- SS 931 Universal Silicone Sealant (100% Silicone)
- SS 932 Sanitary Silicone Sealant
- SS 932X Shower Cabin Silicone Sealant
- SS 937 Aquarium Silicone Sealant
- SS 930X Multi-Purpose Silicone Sealant
- SS 930 Multi-Purpose Silicone Sealant
- SS 930E Multi-Purpose Silicone Sealant
- SS 933 RTV Heat Resistant Silicone Sealant
- SS 934 CONSTRUCTION Neutral Construction Silicone Sealant
- SS 994 FACADE Neutral Facade Silicone (Weatherseal)
- SS 935 Marble and Natural Stone Silicone Sealant
- SS 936 Neutral Silicone Sealant
- SS 939 Mirror Silicone Sealant

SILICONE SEALANT CLASSIFICATION

ACETOXY SEALANTS

100% Sealants

SS931 Universal Silicone
SS932 Sanitary Silicone Sealant
SS932X Shower Cabin Silicone Sealant
SS937 Aquarium Silicone Sealant

Diluted Silicones

SS930X Multi Purpose Silicone Sealant
SS930 Multi Purpose Silicone Sealant
SS930E Multi Purpose Silicone Sealant

Special Sealants

SS933 RTV Heat Resistant
Silicone Sealant

NEUTRAL SEALANTS

Oxime Sealants

SS934 CONSTRUCTION
Neutral Construction Silicone Sealant

SS935 Silicone Marble
& Natural Stone

SS939 Silicone Mirror

Alkoxy Sealants

SS994 Neutral, Facade Silicone
(Weatherseal)

SS 931

Universal Silicone Sealant (%100 Silicone) (300 ml)



- ✓ High quality, **multi-purpose, 100% silicone, solvent-free**, single component (acetoxy) sealant which is cured with the moisture in the air. Can be used indoor and outdoor.
- ✓ Is one of the least odorous products in the acetoxy silicone group and contains no volatile organic compounds.
- ✓ UV resistant.
- ✓ Can be used in enclosed spaces such as bathrooms and kitchens, for glass fitting and installation, and for window sealing.



SS 932

Sanitary Silicone Sealant (280 ml)



- ✓ High quality, **100% silicone**, solvent-free, single component (acetoxy) 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.
- ✓ Is one of the least odorous products in the acetoxy silicone group and contains no volatile organic compounds.
- ✓ Can be used in enclosed spaces such as bathrooms and kitchens, for the installation and sealing of fixtures like toilets, sinks, shower trays, and bathtubs.



SS 932X

Shower Cabin Silicone Sealant (300 ml)



- ✓ High quality, **100% silicone**, solvent-free, single component (acetoxy) 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.
- ✓ Used for sealing in installation of products such as toilet, bath tubs, shower cabins, washbasins,
- ✓ Joints in tiles which are open to water contact,
- ✓ Sealing kitchen appliances and hygienic devices and equipments,
- ✓ Sealing of cold storage depots and refrigerated vehicles.



SS 937

Aquarium Silicone Sealant (300 ml)



- ✓ High quality, **100% silicone**, single component (acetoxy), **solvent-free** sealant which is cured with the moisture in the air. Specifically developed for **aquariums** and can be used indoors and outdoors.
- ✓ Safe for fish and other aquarium inhabitants.
- ✓ Resistant to detergents, cleaning products, and diluted chemical solutions.



SS 930X

Multi Purpose Silicone Sealant (300 ml)



- ✓ **Silicone based, multi-purpose**, single component (acetoxy) sealant which is cured with the moisture in the air. Can be used indoors and outdoors.
- ✓ Has mild to moderate odor.
- ✓ Used in enclosed areas such as bathrooms and kitchens, for glass installation and mounting, as well as for window sealing.



SS 930

Multi Purpose Silicone Sealant (280 ml)



- ✓ **Silicone based, multi-purpose**, single component (acetoxy) sealant which is cured with the moisture in the air. Can be used indoors and outdoors.
- ✓ The 280 ml packaging of SS 930X.
- ✓ Has a light/medium odor.
- ✓ Used in enclosed spaces such as bathrooms and kitchens, for glass fitting and installation, and for window sealing.



SS 930E

Multi-Purpose Silicone Sealant (280 gr)



- ✓ **Silicone based, multi-purpose**, single component (acetoxy) sealant which is cured with the moisture in the air. Can be used indoors and outdoors.
- ✓ Is the 280 g packaging of SS 930X.
- ✓ Has a light/medium odor.
- ✓ Used in enclosed spaces such as bathrooms and kitchens, for glass fitting and installation, and for window sealing.



SS 933 RTV

Heat Resistant Silicone Sealant (300 ml)



- ✓ **High quality**, solvent-free, single component (acetoxy), **red colored silicone** sealant which is cured with the moisture in the air. Developed for the use within engines and mechanical parts exposed to **high temperatures**.
- ✓ Used in areas exposed to constant high temperatures,
- ✓ As a gasket for engine components,
- ✓ As a seal in steam installations where it comes into contact with hot water and steam.



Acetoxy Silicone Sealants Comparison Table

Technical Properties	SS 931	SS 932 - SS 932X	SS 937	SS 930X - SS930 - SS 930E	SS 933 RTV
Density	: $1.02 \pm 0.02 \text{ g/cm}^3$	$1.02 \pm 0.02 \text{ g/cm}^3$	$1.01 \pm 0.02 \text{ g/cm}^3$	$0.97 \pm 0.02 \text{ g/cm}^3$	$1.05 \pm 0.05 \text{ g/cm}^3$
Application Temperature	: Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C
Surface Drying Time	: 25 ± 5 minutes	25 ± 5 minutes	20 ± 5 minutes	20 ± 5 minutes	20 ± 5 minutes
Curing Rate	: 3 mm / 24 hours	3 mm / 24 hours	3 mm / 24 hours	3 mm / 24 hours	3 mm / 24 hours
Hardness (Shore A)	: 25 ± 5	25 ± 5	25 ± 5	20 ± 5	25 ± 5
Tensile Strength	: $\geq 1.2 \text{ MPa}$	$\geq 1.2 \text{ MPa}$	$\geq 1 \text{ MPa}$	$\geq 1 \text{ MPa}$	$\geq 1 \text{ MPa}$
Elongation at Break	: $> 500\%$ (14 days)	$> 500\%$ (14 days)	$> 400\%$ (14 days)	$> 500\%$ (14 days)	$> 500\%$ (14 days)
Service Temperature	: Between -40°C and +150°C	Between -40°C and +150°C	Between -40°C and +150°C	Between -30°C and +120°C	Between -40°C and +250°C
Resistance to Heat					Maximum +250°C

SS 934 CONSTRUCTION

Neutral Construction Silicone Sealant (300 ml – 600 ml)



- ✓ High quality, single component, **100% silicone**, solvent-free sealant with **neutral oxime structure**, cured with the humidity in the air. Can be used in all kinds of indoor and outdoor areas of the building.
- ✓ Used in all kinds of aluminum cladding facade joints,
- ✓ Glass assembly works,
- ✓ As a sealing material in construction joints
- ✓ Bathrooms and kitchens, in joints of shower cabin, bathtub, washbasin, kitchen sink etc.



Sealants – Neutral Silicone (Oxime Silicones)



SS 934 CONSTRUCTION

Neutral Construction Silicone Sealant

- ✓ As **FIXA**, we are the leading company in the industry for producing the **most RAL colors**.
- ✓ We offer SS 934 in more than **100 RAL color** codes, available in both **glossy** and **matte** options.





- ✓ According to the **VOC test** results conducted on 22.09.2017 using the 'HS Method,' the percentage of **Volatile Organic Compounds** is close to zero.

- ✓ Report No: TURT170176506

Low
VOC

intertek

Total Quality. Assured.

TÜRKİYE
KALİTE
BİLİMSEL

TEST RAPORU

Sayfa 1 / 4

RAPOR NUMARASI

TURT170176506

BAŞVURAN FİRMA ADI :

Fixa Yapı Kimyasalları San. ve Tic. Ltd. Şti

ADRESİ :

Firuzköy Mah. Aziz Cad. No:15 Bayrampaşa/İstanbul
Tel:0212 428 62 83
İlgili Kişi : Ebru Ekim (ebru@fixa.com.tr)

NUMUNE TANIMI :

Silikon macun

GİRİŞ TARİHİ :

18 Eylül, 2017 (13:01)

ÇIKIŞ TARİHİ :

22 Eylül, 2017

TEST	Numune
Uçucu Organik Bileşikler	NR

G = MÜŞTERİNİN STANDARTINA GÖRE GEÇMİŞTİR / K = MÜŞTERİNİN STANDARTINDA GÖRE KALMIŞTIR / NR = MÜŞERİ STANDARD BELİRTMEMİŞTİR / X=TEST YAPILMADI

Raporaki belirtilen değerler %65 güvencesiz denetimlik kayıtlardan elde edilen test sonuçlarıdır. Bu sonuçlar K+G ile çözümlenebilir değildir. Belirtilen diğer hesaplamalar ISO/IEC 17025 ve TÜRKAK akreditasyon belgelerine göre yapılmıştır. Her test metoduna göre ve her ölçümün belirsizliği değerlendirilmelidir. Belirtilen değerin altına aşağıdaki sonuçlar girmez. Servis kalite sorunları müşteriye bildirilir. Müşterinin standartlarına göre pozitif/negatif belirlenmesi için teknik destek edilmelidir. Filizler ve youtuber TÜRKAK akreditasyonunu kapama girişimi belirsiz %'ye sahiptir fakat TÜRKAK akreditasyonu herhangi bir şekilde iptal edilmez.

intertek
Laboratuvar Hizmetleri A.Ş.
Nispetiye Mah. Sarıyer Cad. No:23 Beşiktaş / İstanbul / Türkiye Tel: 0212 496 40 45
Faks: 0212 496 40 45
E-posta: info@intertek-trkiye.com.tr

Volkan Albayrak
Müşteri Temsilcisi

(Signature)

Zeynep AKIN
Kimya Laboratuvarı Müdürü

intertek Test Hizmetleri A.Ş.
Merkez Mahallesi Sanayi Cad. No:23 Akmerkez Plaza Yenibosna 34197 - İSTANBUL / TURKEY
Phone : +90.212. 496 40 46 Fax: +90.212. 452 80 55
e-mail: intertek@turkey@intertek.com
www.intertek-turkey.com

170176506

SS 994 FACADE

Neutral, Facade Silicone (Weatherseal) (300 ml - 600ml)



- ✓ Single component, weather resistant, high strength, **neutral alkoxy structure** (weatherseal), **100% silicone** sealant for exterior use.
- ✓ Available only in MATTE BLACK color.
- ✓ Used in all curtain wall joints for insulation, including structural façade joints,
- ✓ As a sealing material in building joints.





SS 994 FACADE

Neutral, Facade Silicone (Weatherseal) (300 ml - 600ml)

- ✓ Used in laminated glass applications,
- ✓ In glass installation and joinery insulation applications,
- ✓ On a variety of surfaces such as coated and anodized aluminum, wood, concrete, brick, ceramic, porcelain, and more.
- ✓ Once cured, it is unaffected by weather conditions, providing excellent and long-lasting durability. It offers exceptional resistance to extreme conditions such as high temperatures, UV, rain, and snow, without significant changes in elasticity.





SS 994 FACADE

Neutral, Facade Silicone (Weatherseal) (300 ml - 600ml)

- ✓ With high tensile strength, high tear resistance, and the ability to absorb high deformations (elongation), is an exceptional choice for weather-resistant façade applications.
- ✓ Can accommodate both elongation and compression movements by **50%** (ASTM C719), and after this cycle, it demonstrates excellent recovery.
- ✓ Once cured, retains its elasticity even at low and high temperatures (-50°C to +100°C).



Neutral Silicones Comparison Table

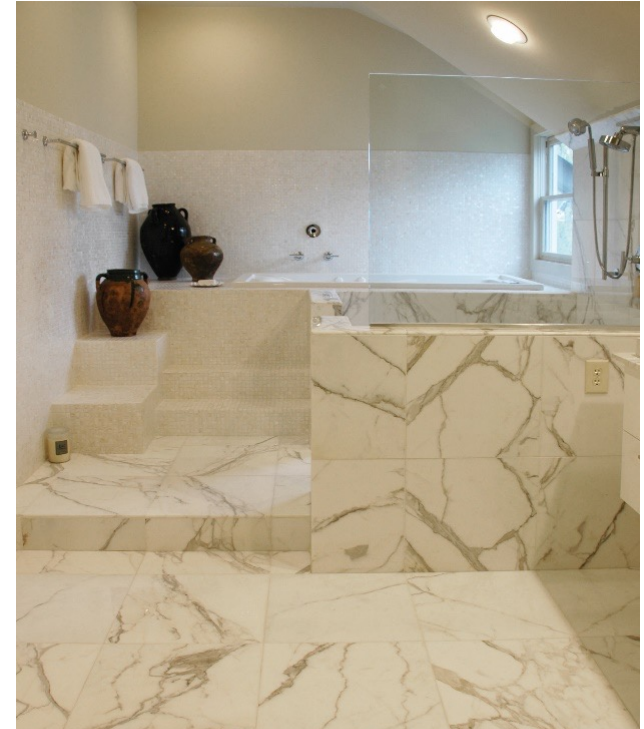
Technical Properties	SS934 Matte	SS934 Glossy	SS994 FACADE
Density	1,35 ± 0,05 g/cm ³	1,02 ± 0,02 g/cm ³	1.43 ± 0.05 g/cm ³
Application Temperature	Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C
Surface Drying Time	10 ± 5 minutes	10 ± 5 minutes	25 ± 5 minutes
Motility	± 25% (TS EN ISO 11600)	± 25% (TS EN ISO 11600)	± 50% (ASTM C719) and 25% (TS EN ISO 11600)
Curing Rate	3 mm / 24 hours	3 mm / 24 hours	2 - 3 mm / 24 hours
Hardness (Shore A)	36 ± 5	22 ± 5	30 ± 5
Tensile Strength	≥ 1 MPa	≥ 1 MPa	≥ 1 MPa
Elongation at Break	> 400% (14 days)	> 500% (14 days)	> 400% (14 days)
Service Temperature	Between -40°C and +150°C	Between -40°C and +150°C	Between -40°C and +100°C

SS 935

Marble & Natural Stone Silicone Sealant (300 ml)



- ✓ 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**.
- ✓ Used on sensitive surfaces and in joints of facade coverings such as **natural stone, marble** and **granite**.
- ✓ Joint combinations of glass, aluminum and glazed surfaces.



SS 936

Neutral Silicone (300 ml)



- ✓ 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.
- ✓ Used in automotive and transportation industries, in sheet metal and panel installations,
- ✓ Production of durable white goods,
- ✓ Joint combinations of glass, aluminum and glazed surfaces.
- ✓ Can be produced in matte and glossy colors.



SS 939

Mirror Silicone (300 ml)



- ✓ High quality, **100% silicone**, single component, **neutral**, solvent-free sealant which is cured with the moisture in the air. Provides bonding of **mirrors** and ceramics without damaging the glazed surfaces.
- ✓ Used in fixing all kinds of mirrors,
- ✓ Joint combinations of glass, aluminum and glazed surfaces,
- ✓ It is used for bonding glazed tiles or decorative items.



Neutral Silicones Comparison Table

Technical Properties	SS935	SS936 Matte	SS936 Glossy	SS939
Density	1.01 ± 0.02 g/cm ³	1.01 ± 0.02 g/cm ³	1.35 ± 0.05 g/cm ³	1.02 ± 0.02 g/cm ³
Application Temperature	Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C	Between +5°C and +35°C
Surface Drying Time	10 ± 5 minutes	10 ± 5 minutes	10 ± 5 minutes	10 ± 5 minutes
Curing Rate	3 mm / 24 hours	3 mm / 24 hours	3 mm / 24 hours	3 mm / 24 hours
Hardness (Shore A)	25 ± 5	25 ± 5	36 ± 5	22 ± 5
Tensile Strength	≥ 1 MPa	≥ 1 MPa	≥ 1 MPa	≥ 1 MPa
Elongation at Break	> 300% (14 days)	> 300% (14 days)	> 400% (14 days)	> 400% (14 days)
Service Temperature	Between -40°C and +150°C	Between -40°C and +150°C	Between -40°C and +150°C	Between -40°C and +150°C
Motility		± 25% (TS EN ISO 11600)	± 25% (TS EN ISO 11600)	



➤ Polyurethane Foams

➤ Polyurethane Foams

PU 960 Multi-Purpose PU Foam

PU 962 Multi-Purpose Professional PU Foam

PU 961 PU Adhesive Foam

PU 960

Multi-Purpose Polyurethane Foam (750 ml – 600 g)



- ✓ Single-component, multi-purpose **polyurethane** foam that expands and cures with the humidity in the air.
- ✓ Used in internal and external expansion joints of buildings,
- ✓ Terrace expansion joints,
- ✓ Installation and insulation of door and window frames,
- ✓ Filling gaps, large cracks, and holes.



PU 962

Multi-Purpose Professional Polyurethane Foam (750 ml – 850 g)



- ✓ Single-component, multi-purpose **polyurethane** foam that expands and cures with the humidity in the air, used with an **application gun**.
- ✓ Used in internal and external expansion joints of buildings,
- ✓ Terrace expansion joints,
- ✓ Installation and insulation of door and window frames,
- ✓ Filling gaps, large cracks, and holes.



PU 961

Adhesive PU Foam (750 ml – 850 g)



- ✓ Single component **polyurethane** foam that cures rapidly with ambient humidity and applied with an **application gun**. Used for fast and strong adhesion of thermal insulation boards.
- ✓ Used for bonding EPS and XPS boards.
- ✓ Suitable for bonding wood, concrete, brick, and similar materials.
- ✓ Applied for bonding facade decorative claddings.



Polyurethane Foams Comparison Table

Technical Properties	PU 960	PU 962	PU 961
Density	: 25 ± 3 g/cm ³ (ASTM D1622)	20 ± 3 g/cm ³ (ASTM D1622)	21 ± 3 g/cm ³ (ASTM D1622)
Surface Drying Time	: 7 - 12 minutes (ASTM C1620) (1 cm width)	7 - 10 minutes (ASTM C1620) (1 cm width)	6 ± 2 min. (ASTM C1620) (1 cm width)
Cutting Time	: 35 - 45 minutes (ASTM C1620) (1 cm width)	25 - 35 minutes (ASTM C1620) (1 cm width)	25 - 35 min. (ASTM C1620) (1 cm width)
Fire Class of the Cured Foam	: B3 (DIN 4102)	B3 (DIN 4102)	B3 (DIN 4102)
Expansion Ratio	: 150% - 200%	70% - 100%	30 - 50%
Compressive Strength	: 3 N/mm ² (DIN 53421)	2.5 N/mm ² (DIN 53421)	3 N/mm ² (DIN 53421)
Yield	: 35 - 40 L/1000 ml (ASTM C 1536)	45 - 55 L/1000 ml (ASTM C 1536)	40 - 50 L/1000 ml (ASTM C 1536)
Thermal Conductivity	: 0.030 W/mK (20°C) (DIN 52612)	0.030 W/mK (20°C) (DIN 52612)	0.030 W/mK (+20°C) (DIN 52612)
Application Temperature	: Between +5°C and +30°C	Between +5°C and +30°C	Between +5°C and +30°C
Service Temperature	: Between -40°C and +80°C	Between -40°C and +80°C	-40°C / +100°C

TECHNICAL ADHESIVES CLASSIFICATION

CONSTRUCTION/DIY GROUP

MS Polymer Adhesives (Construction/DIY Group)

POLYMER[®] MS 950 MS Polymer Based MultiPurpose Elastic Adhesive

POLYMER[®] MS 953 MS Polymer Based Transparent Adhesive

FX1 FIX & GO MS Polymer Adhesive & Sealant

Silicone Based Adhesives (Construction Group)

EPDM BOND Neutral Silicone Based EPDM Adhesive

INDUSTRIAL GROUP

MS Polymer Adhesive (Industrial Group)

POLYMER[®] MS 960 MS Polymer Based Auto Glass Windshield Adhesive

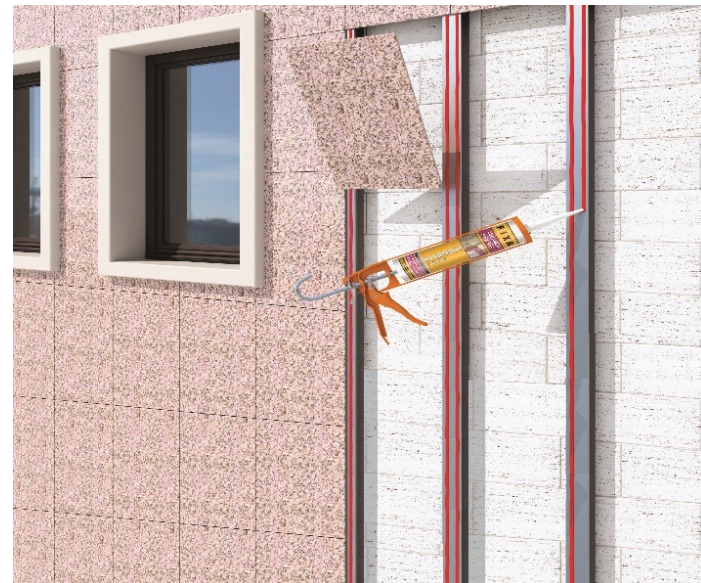
POLYMER[®] MS 965 MS Polymer Based Industrial Adhesive

POLYMER[®] MS 950

MS Polymer Based Multi-Purpose Elastic Adhesive (290 ml – 600 ml)



- ✓ **MS Polymer** based, single component, elastic, solvent and isocyanate free, hybrid **construction** sealant and adhesive.
- ✓ Hardness Shore A: 50



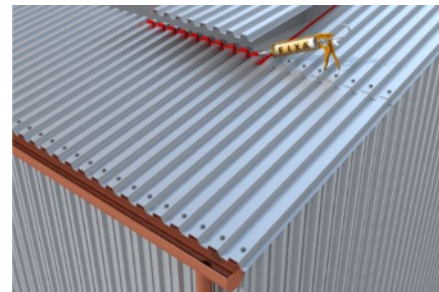


POLYMER® MS 950

MS Polymer Based Multi-Purpose Elastic Adhesive

Application Areas:

- ✓ Indoors and outdoors,
- ✓ Joint combinations and adhesion of aluminum, wood, metal and glass,
- ✓ All kinds of cladding facade joints,
- ✓ Intersection and adhesion details of prefabricated elements,
- ✓ Adhesion and sealing of roofing materials,



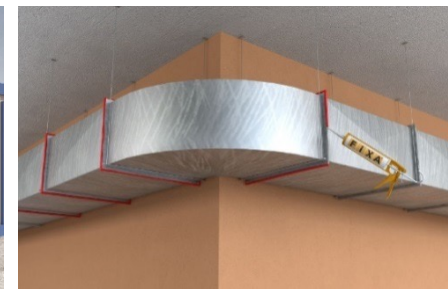


POLYMER® MS 950

MS Polymer Based Multi-Purpose Elastic Adhesive

Application Areas:

- ✓ Filling joints and adhesion of natural materials such as marble, natural stone and granite,
- ✓ Adhesion of glazed surfaces (glass, ceramic, etc.),
- ✓ Joints of sheet and metal in automotive, container, vehicle body and caravan production,
- ✓ Production and installation of ventilation ducts and air conditioners.



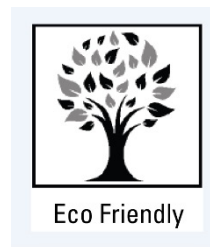


POLYMER[®] MS 950

MS Polymer Based Multi-Purpose Elastic Adhesive

Advantages:

- ✓ Has **high modulus (HM)** and **excellent adhesion** properties, bonds to all types of construction materials.
- ✓ **UV** resistant.
- ✓ **Solvent** and **isocyanate** free.
- ✓ Odorless and has **low VOC** levels.
- ✓ **Flexible** and **elastic**.
- ✓ Can be applied on damp surfaces and is **paintable**.

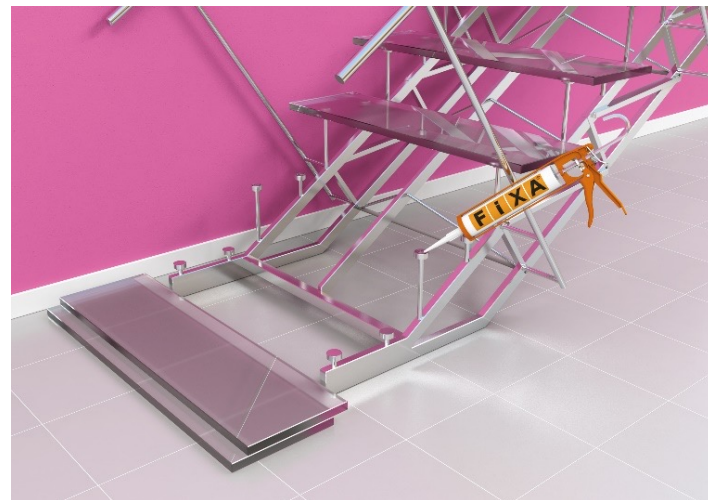


POLYMER[®] MS 953

MS Polymer Based Transparent Multi-Purpose Elastic Adhesive



- ✓ **MS Polymer** based, single component, elastic, solvent and isocyanate free, **transparent** sealant and adhesive.
- ✓ Hardness Shore A: 40



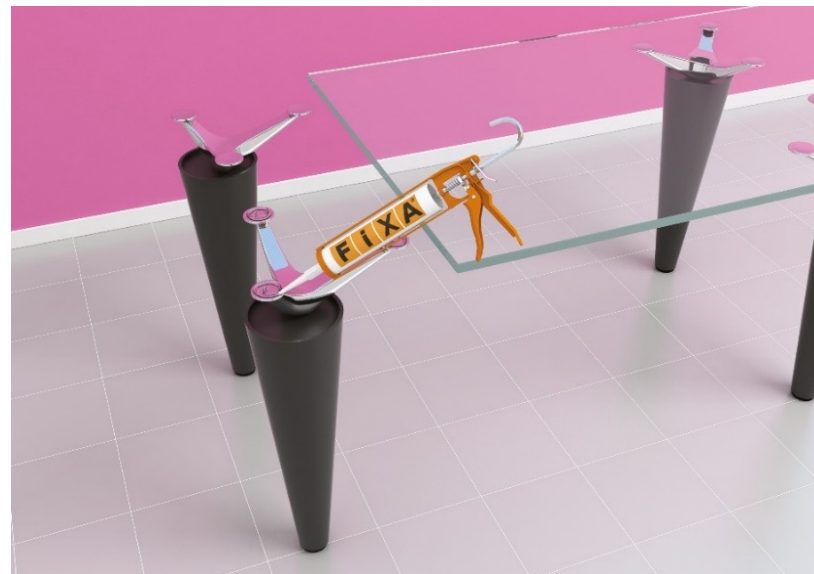


POLYMER[®] MS 953

MS Polymer Based Transparent Multi-Purpose Elastic Adhesive

Application Areas:

- ✓ Indoors and outdoors,
- ✓ Applications requiring a transparent adhesive and sealant,
- ✓ Installation and insulation of glass, mirrors, and glazed surfaces,
- ✓ All combinations of aluminum, metal, wood, glass bonding and sealing.





POLYMER[®] MS 953

MS Polymer Based Transparent Multi-Purpose Elastic Adhesive

Advantages:

- ✓ **Has high modulus (HM)** and **excellent adhesion** properties, bonds to all types of construction materials.
- ✓ Can be applied on damp surfaces and is paintable.
- ✓ **Transparent.**
- ✓ **Flexible** and **elastic.**
- ✓ **Solvent** and **isocyanate free**, does not **shrink**.
- ✓ **UV resistant.**
- ✓ Ouderless with **low VOC** levels.



FX1 FIX & GO

MS Polymer Adhesive & Sealant (290 ml)



- ✓ **MS Polymer** based, single component, hard-elastic, solvent and isocyanate free, fast curing, **strong adhesive with high initial tack.**
- ✓ Hardness Shore A: 65



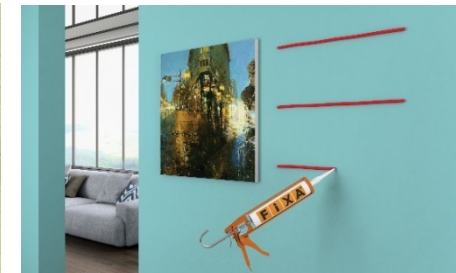


FX1 FIX & GO

MS Polymer Adhesive & Sealant

Application Areas:

- ✓ Indoors and outdoors,
- ✓ 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.)





FX1 FIX & GO

MS Polymer Adhesive & Sealant

Advantages:

- ✓ Has **high initial tack**, provides fast installation. The applied area can be put into use in a short time.
- ✓ Can be applied on damp surfaces.
- ✓ Does not shrink.
- ✓ **Solvent** and **isocyanate** free.
- ✓ Can adhere even underwater.



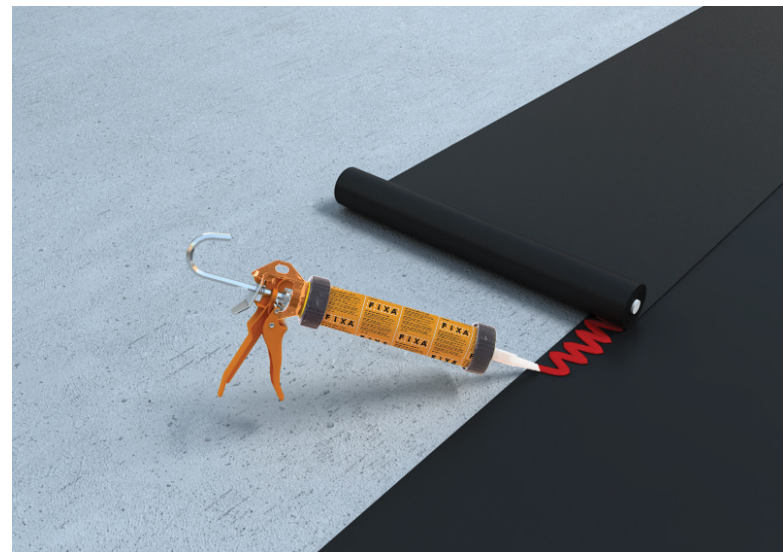
Comparison of POLYMERA MS 950, POLYMERA MS 953, FX1 FIX & GO

Technical Properties	MS 950	MS 953	FX1 FIX & GO
Density	: $1.55 \pm 0.05 \text{ g/cm}^3$	$1.05 \pm 0.03 \text{ g/cm}^3$	$1.50 \pm 0.05 \text{ g/cm}^3$
Hardness (Shore A)	: 50 ± 5	40 ± 5	65 ± 5
Film Formation Time	: 30 ± 10 minutes	50 ± 10 minutes	7 ± 3 minutes
Curing Rate	: 3 mm / 24 hours	2 mm / 24 hours	3 mm / 24 hours
Tensile Strength	: $\geq 1.80 \text{ MPa}$ (DIN 53504)	$\geq 1.50 \text{ MPa}$ (DIN 53504)	$\geq 2.50 \text{ MPa}$ (DIN 53504)
Elongation at Break	: $> 300\%$ (7 days)	$> 150\%$ (DIN 53504)	$> 150\%$ (DIN 53504)
Application Temperature	: Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$	Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$	Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$
Service Temperature	: Between -40°C and $+80^\circ\text{C}$	Between -40°C and $+80^\circ\text{C}$	Between -40°C and $+80^\circ\text{C}$

EPDM BOND

Neutral Silicone Based EPDM Adhesive (600 ml)

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



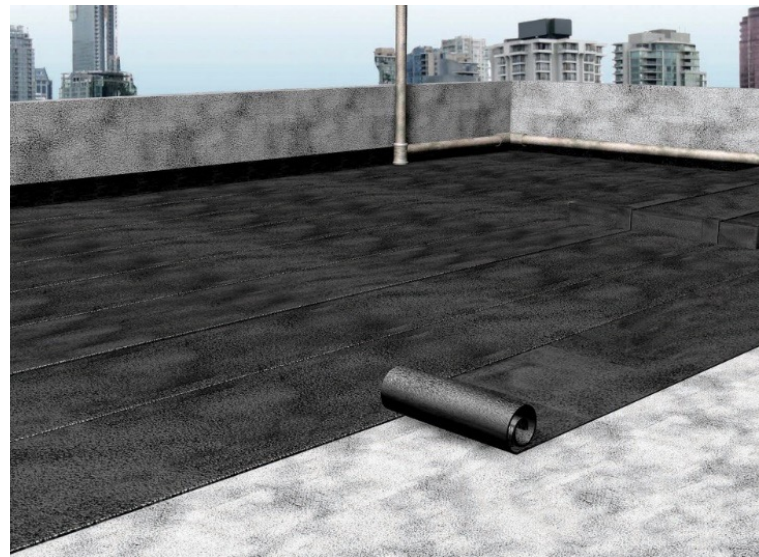


EPDM BOND

Neutral Silicone Based EPDM Adhesive

Application Areas:

- ✓ Indoors and outdoors,
- ✓ Bonding and fixing EPDM membranes and coverings.





EPDM BOND

Neutral Silicone Based EPDM Adhesive

Advantages:

- ✓ Strongly bonds EPDM membranes and coverings to the building surface.
- ✓ Thanks to its **high adhesion** properties, tolerates any movement at the joints and maintains its sealing performance.
- ✓ Provides strong and flexible adhesion in vibrating structures.
- ✓ **Solvent** and **isocyanate** free, ensuring long-lasting durability. does not shrink, contract, flow, or peel.
- ✓ **UV resistant**, does not crack or yellow, suitable to use outdoors.



EPDM BOND Technical Properties

Technical Properties	EPDM BOND
Density	: $1.35 \pm 0.05 \text{ g/cm}^3$
Hardness (Shore A)	: 35 ± 5
Film Formation Time	: 10 ± 5 minutes
Curing Rate	: 3 mm / 24 hours
Tensile Strength	: $\geq 1.3 \text{ MPa}$ (DIN 53404)
Elongation at Break	: $> 400\%$ (DIN 53504)
Application Temperature	: Between $+5^\circ\text{C}$ and $+40^\circ\text{C}$
Service Temperature	: Between -40°C and $+150^\circ\text{C}$

POLYMERA MS 960

MS Polymer Based Auto Glass (Windshield) Adhesive (600 ml)

- ✓ **MS Polymer** based, single component, elastic, solvent and isocyanate free, hybrid, **auto glass** adhesive.





POLYMERA MS 960

MS Polymer Based Auto Glass (Windshield) Adhesive

Application Areas:

- ✓ Elastic bonding of vehicle windows,
- ✓ Bonding, isolation and absorption of vibration at sheet metal and metal joints in automotive, container, body and caravan manufacturing.



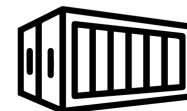
Bonding of **auto** glass
(AGR market)



Bonding of glass in
commercial vehicles such
as **buses** and **minibuses**



Bonding and insulation of
caravans, tiny houses, and
vehicle bodies, as well as for
absorbing the vibrations



Bonding of metal
components in **container**
manufacturing and for
sealing.



POLYMER MS 960

MS Polymer Based Auto Glass (Windshield) Adhesive

Advantages:

- ✓ Thanks to its **high modulus (HM)** and **excellent adhesion** properties, it tolerates all kinds of joint movements and maintains its sealing performance.
- ✓ Adheres perfectly to many surfaces without the need for a primer.
- ✓ **Solvent** and **isocyanate** free, ensures long-lasting performance. Does not crack, shrink, or peel. The cured product does not lose **volume** or **mass**.
- ✓ Prevents bubble formation caused by moisture on surfaces after application.
- ✓ **UV resistant**, does not crack or yellow over time.
- ✓ Does not sag or spread. Suitable for cold applications.



POLYMER MS 965

MS Polymer Based Industrial Adhesive (290 ml - 600 ml)



- ✓ **MS Polymer** based, single component, elastic, solvent and isocyanate free, hybrid, **industrial** adhesive.





POLYMERA MS 965

MS Polymer Based Industrial Adhesive

Application Areas:

- ✓ Automotive, container, bodywork, and caravan manufacturing, bonding and sealing sheet metal and metal joints, as well as absorbing vibrations during use.
- ✓ Bonding and sealing of sunroof systems.
- ✓ Bonding the roofs of automobiles, trains, and trucks.
- ✓ Bonding aluminum or polyester corner profiles to trailers.
- ✓ Bonding polyester parts to metal frames.





POLYMERA MS 965

MS Polymer Based Industrial Adhesive

Advantages:

- ✓ Thanks to its **high modulus (HM)** and **excellent adhesion** properties, it tolerates all types of movement at joints and maintains its sealing performance.
- ✓ The cured product does not lose volume or mass.
- ✓ Prevents bubble formation caused by moisture on surfaces after application.
- ✓ UV resistant, does not crack or yellow.
- ✓ **Solvent, isocyanate, PVC, silicone** free and has low VOC levels.



Comparison of POLYMERA MS 960 and Polymera MS 965

Technical Properties	MS 960	MS 965
Density	: $1.44 \pm 0.05 \text{ g/cm}^3$	$1.45 \pm 0.05 \text{ g/cm}^3$
Hardness (Shore A)	: 65 ± 5	65 ± 5
Film Formation Time	: 35 ± 10 minutes	35 ± 10 minutes
Curing Rate	: 3 mm / 24 hours	3 mm / 24 hours
Drive Away Time	: 6 hours (MDAT/FMV212)	
Tensile Strength	: $\geq 3 \text{ MPa}$ (DIN 53404)	$\geq 3 \text{ MPa}$ (DIN 53504)
Elongation at Break	: $> 300\%$ (7 days)	$> 300\%$ (7 days)
Application Temperature	: Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$	Between $+5^\circ\text{C}$ and $+35^\circ\text{C}$
Service Temperature	: Between -40°C and $+80^\circ\text{C}$	Between -40°C and $+80^\circ\text{C}$



25
YEARS

4
FACTORIES

220
+
PRODUCTS

30
+
COUNTRIES
TO EXPORT

500
+
POINT OF
SALES in
TÜRKİYE

2.000
+
REFERENCES

Contact Us



HEADQUARTERS

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

İSTANBUL FACTORY

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

ADANA FACTORY

Hacı Sabancı OSB,
Süleyman Demirel Bulvarı No:30
Sarıçam - Adana
T: +90 322 394 42 42 (pbx)
F: +90 322 394 42 65

ANKARA FACTORY

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

THE UK OFFICE

17 Green Lanes, London,
England, N16 9BS
T: +44 (0) 2081760680
M: +44 (0) 7308220398

www.fixaco.uk
info@fixaco.uk



www.fixa.com.tr



info@fixa.com.tr



Fixa Yapı Kimyasalları

THANK YOU