



ASDAS



A man in a white full-body protective suit and black gloves is using a high-pressure water spray gun. He is standing on a concrete surface next to a large, cylindrical metal tank. The tank has a blue ASDAS logo on its upper section. In the background, there are industrial structures, including a metal staircase and various pipes. A yellow and blue barrel is visible on the ground. The scene is set outdoors under a clear sky.



ASDAS

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Products

It is used as a waterproofing (water impermeability) material in underground parts of buildings, construction foundations, terraces, balconies, roof applications, retaining and boundary walls, underground parking lots, on various materials such as concrete, plaster, brick, metal, wood, CTP, PVC, and other plastics, over wet areas, for the repair of old bituminous membranes, tar, asphalt, tar paper types of insulations, in all horizontal and vertical applications both underground and above ground.

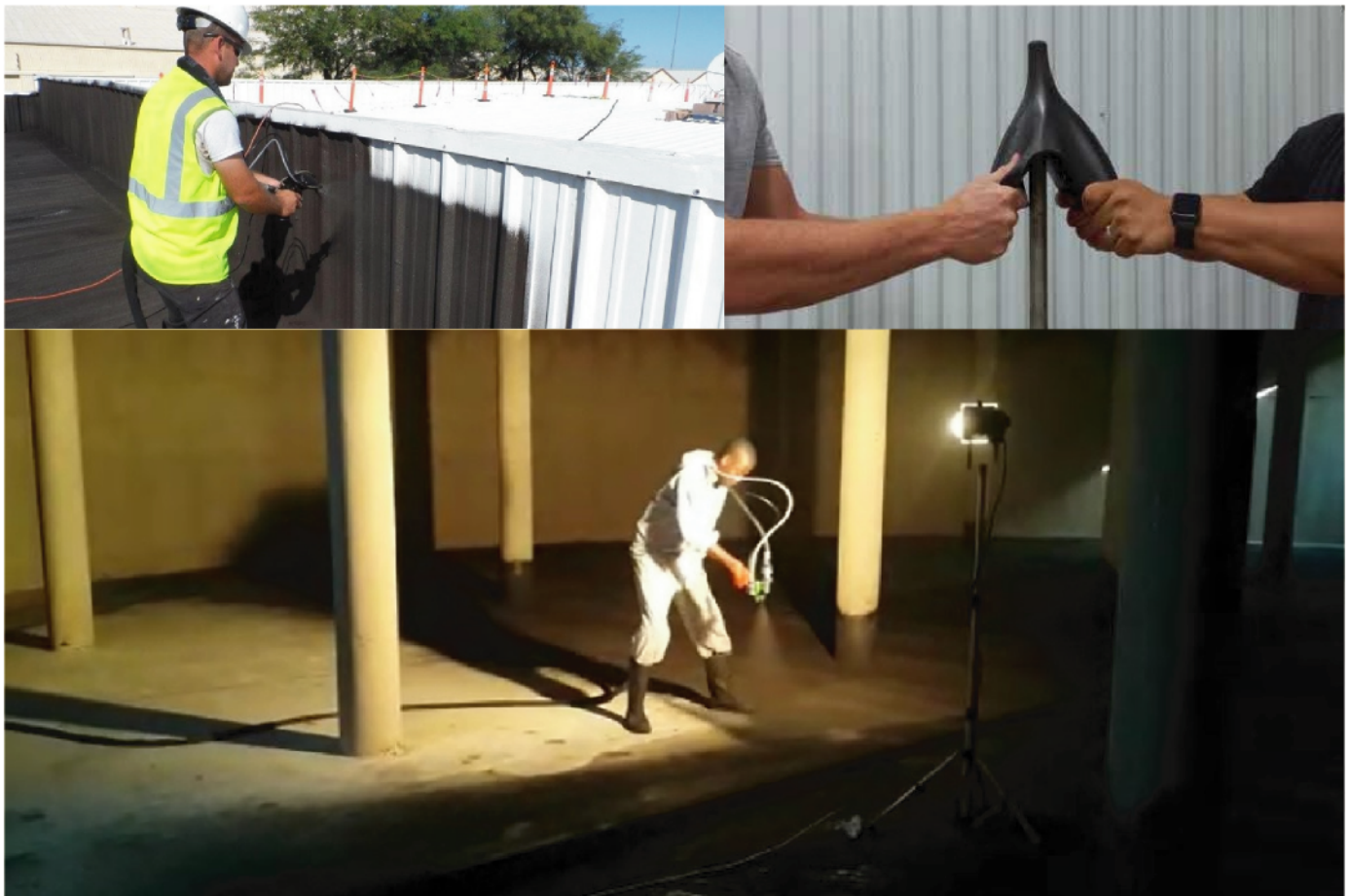
AsdasFLEX 2K

It is an instant-curing, two-component, water-based liquid rubber membrane. It is applied by spraying at the desired thickness. It is the world's leading liquid membrane used for roof repair and restoration, waterproofing, and corrosion protection.

- 1,200% elongation
- 600 psi tensile strength
- Class E fire rating
- Resistance to very severe hail
- Impermeable, resistant to ponding indefinitely
- Can be sprayed at the desired thickness
- Instant resistance to rain
- Zero VOCs, water-based, odorless
- Resistance to acids, salts, ozone, and more
- UV resistance

AsdasFLEX 1K

The airless spray machine, roller, or brush-applied single-component liquid rubber membrane is used for roof repair, restoration, waterproofing, corrosion prevention, repairs, plasters, and more. It has the same physical properties as the 2K version but has been converted into various viscosities for simpler applications.



AsdasFlex Waterproofing Products—The Perfect Solution for Construction and Renovation Projects

AsdasFlex waterproofing products provide an excellent solution for waterproofing in new construction or renovation projects, whether for below-grade or abovegrade walls, foundation bases, decks, or under and over concrete slabs. Asdas offers a complete waterproofing system with high-quality synthetic rubber products that are easy and quick to apply, cost-effective, and environmentally friendly.

AsdasFlex Product Range –The Ideal Solution for Waterproofing

The AsdasFlex product range ensures perfect compatibility for waterproofing almost all types of surfaces:

- Concrete slabs
- Decks (wooden or concrete)
- Foundation walls, exterior or blindside (concrete or ICF)
- Under concrete slabs, on soil
- Tanks (interior and exterior)
- Tunnels
- Grain silos and wind turbine foundations
- Ponds and water features

Why is AsdasFlex Preferred Worldwide for Waterproofing Large and Small Structures?

- Highly flexible (>1200%) and fully elastic
- Extremely durable (>600 psi tensile strength)
- Seamless and self-terminating structure
- Simple and fast installation
- Excellent value for the thickness provided
- Non-toxic, water-based, and odorless
- Achieves desired thickness in a single coat
- Resistant to static and dynamic movements
- Excellent adhesion to concrete, steel, and wood
- Permanently resistant to standing water (impermeable)



ASDASFLEX 1K-S (Spray)

Quick-Drying, Water-Based, and Eco-Friendly Liquid Rubber Membrane

Product Description

AsdasFlex 1K-S Rubber is a non-toxic, ecofriendly, single component waterproofing membrane formulated with advanced synthetic rubber polymers. It is designed for use as a waterproofing membrane on roofs, foundation walls, concrete slabs, plaza decks, wet areas, gutters, and many other surfaces. AsdasFlex 1K-S is typically applied in two coats using a commercial - grade airless spray system.

Product Versatility and Applications

AsdasFlex 1K-S is not only ideal for waterproofing applications but also serves as a waterproofing membrane for existing roofs and as an impermeable air/vapor barrier. With its ability to remain flexible despite prolonged water exposure and aging, AsdasFlex 1K-S provides a truly unique waterproofing solution for the entire building envelope.

In addition to waterproofing, AsdasFlex 1K-S is used as an impermeable, corrosion-resistant coating to protect steel and concrete from degradation. Its exceptional resistance to acids and caustic materials further enhances its versatility.

Physical Properties (Liquid Form)		
Color	Black	
Volatile Organic Compounds (VOC)	Does Not Contain	
Shelf Life	12 months	
Solid Content	%63	
Application Ratio	For Dry Thickness: • 1 mm dry thickness: 1.5 liters/m² • 1.5 mm dry thickness: 2.5 liters/m² • 2 mm dry thickness: 3 liters/m²	
Packing	20 kg Bucket or 190 Liter Barrel	
Physical Properties (Cured Form)	TEST METHOD	RESULT
Membrane Thickness	-	80 mil (2 mm) dry thickness is the typical application thickness.
Resistance to Ponding Water	-	Permanently resistant.
Elongation and Tensile Strength	ASTM D412	Elongation: 1100% Tensile Strength: 98%
Tensile Strength	ASTM D412	>600 psi
Fire Resistance	ASTM E108 FM 4470	Class E
UV Exposure Resistant for 1,000 hours.	ASTM G155	Excellent, no changes observed after 1,000 hours.
Adhesion to Concrete	ASTM D903	42 lbs.
Low-Temperature Flexibility	ASTM D5147	Passed at -20°C.
Water Vapor Permeability	ASTM E96	0.1 Perms

Application

All surfaces must be free of loose materials, grease, oil, release agents, loose rust, and other contaminants. For certain surfaces, such as EPDM or stainless steel, the use of a primer may be required. If issues with hydrostatic vapor movement are present on the surface, concrete sealers may be necessary.

The typical full drying time for the material under sunny and warm conditions, at 70°F (21°C) and a 40 mil wet thickness, is 6–12 hours. Do not allow freshly applied material to freeze before it has fully cured. The drying time depends on thickness, humidity, and temperature conditions.

ASDASFLEX 1K- (Brush)

Quick-Drying, Water-Based, and Eco-Friendly Liquid Rubber Membrane

Product Description

AsdasFlex 1K-B is a nontoxic, ecofriendly, single-component waterproofing membrane formulated with advanced rubber polymers. It is commonly used as a bonding component in the AsdasFlex 2K system but is also ideal for sealing leaking roof penetrations, duct seams, cracks, tears, and punctures in nearly all roof systems. Additionally, AsdasFlex 1K-B is versatile and can be used for various other waterproofing purposes, typically applied in a single coat.

Product Versatility and Applications

AsdasFlex 1K Brush-Grade is not limited to roof applications; it can also be used for waterproofing foundation walls, gutters, showers, beams, and more. With its durability under prolonged water exposure and its ability to remain flexible even after aging, AsdasFlex 1K-B offers a unique waterproofing solution for the entire building envelope.

Beyond waterproofing, AsdasFlex 1K-B can serve as an impermeable and corrosion-resistant layer to protect steel and concrete from degradation. It demonstrates particularly high resistance to acids and caustic substances.

Physical Properties (Dense Liquid Form)		
Color	Black	
Volatile Organic Compounds (VOC)	Does Not Contain	
Shelf Life	12 Months	
Solid Content	%63	
Application Ratio	For Dry Thickness: • 1 mm dry thickness: 1.5 liters/m² • 1.5 mm dry thickness: 2.5 liters/m² • 2 mm dry thickness: 3 liters/m²	
Packing	20 kg Bucket or 190 Liter Barrel	
Physical Properties (Cured Form)	TEST METHOD	RESULT
Membrane Thickness	-	80 mil (2 mm) dry thickness is the typical application thickness.
Resistance to Ponding Water	-	Permanently resistant.
Elongation and Tensile Strength	ASTM D412	Elongation: 1100% Tensile Strength: 98%
Tensile Strength	ASTM D412	>600 psi
Fire Resistance	ASTM E108 FM 4470	Class E
UV Exposure Resistant for 1,000 hours.	ASTM G155	Excellent, no changes observed after 1,000 hours.
Adhesion to Concrete	ASTM D903	42 lbs.
Low-Temperature Flexibility	ASTM D5147	Passed at -20°C.
Water Vapor Permeability	ASTM E96	0.1 Perms

Application

All surfaces must be cleaned of loose materials, grease, oil, release agents, and other contaminants. On certain surfaces, such as EPDM or metal, the use of a primer may be necessary.

The typical full curing time for the membrane under sunny and warm weather conditions, at 60°F (15°C), is 18–24 hours. Freshly applied material must not be allowed to freeze before fully curing.

Curing time depends on weather and temperature conditions. AsdasFlex 1K Brush-Grade is generally applied using a brush or trowel. It can also be applied with fabric reinforcement using polyester fabrics.

ASDASFLEX 2K

Quick-Drying, Water-Based, and Eco-Friendly Liquid Rubber Membrane

Product Description

AsdasFlex 2K Quick-Drying Rubber is a non-toxic, eco-friendly, two-component spray-applied roofing and waterproofing membrane formulated with advanced rubber polymers. This material is not only durable but also highly flexible, allowing efficient spraying to the desired thickness in a single pass. Once applied, it becomes rain-resistant immediately.

It creates a fully adhered, monolithic waterproofing membrane without generating waste. The product is water-based, VOC-free, and classified as a "green" product.

Physical Properties (Liquid Form)		
Color	Black	
Volatile Organic Compounds (VOC)	Does Not Contain	
Shelf Life	12 Months	
Solid Content	%63	
Application Ratio	For Dry Thickness: • 1 mm dry thickness: 1.5 liters/m² • 1.5 mm dry thickness: 2.5 liters/m² • 2 mm dry thickness: 3 liters/m²	
Packing	20 kg Bucket or 190 Liter Barrel	
Physical Properties (Cured Form)	TEST METHOD	RESULT
Membrane Thickness	-	80 mil (2 mm) dry thickness is the typical application thickness.
Resistance to Ponding Water	-	Permanently resistant.
Wind Resistance Rating	FM 4470	990 psf
Hail Resistance	FM 4470	Highly resistant to hail impact.
Elongation and Tensile Strength	ASTM D412	Elongation: 1100% Tensile Strength: 98%
Tensile Strength	ASTM D412	>600 psi
Fire Resistance	ASTM E108 FM 4470	
Tensile Strength • Plywood: Tested and highly durable. • EPDM: Excellent adhesion and tensile strength. • Sheathing Boards: Strong and reliable performance.	ASTM D4541	Class E Plywood: 591 PSI EPDM: 734 PSI Sheathing Board: 729 PSI
Impact Resistance	ASTM D3746	Excellent, 0.5 Rating.
UV Exposure Resistant for 1,000 hours.	ASTM G155	Excellent, no changes observed after 1,000 hours.
Adhesion to Concrete	ASTM D903	42 lbs.
Adhesion to Steel	ASTM D4541	1,300 psi
Hydrostatic Pressure - Water Repellent Properties	BS EN 12390-8	Impermeable; withstands up to 5 bar pressure.
Water Vapor Permeability	ASTM E96	0.1 Perms
Puncture Resistance	ASTM E154	Excellent.
Low-Temperature Flexibility	ASTM D5147	Passed at -20°C.
Potable Water Use	SANS 241	Approved.

Application

EQUIPMENT

AsdasFlex 2K is applied exclusively with equipment manufactured by Asdas Company. Commercial-grade spray devices cannot be used, as they may damage the product or the device. The fast-curing AsdasFlex 2K spray equipment delivers the product from liquid containers to the surface via specially designed hoses and a pneumatically controlled spray gun. All hoses include individual valve controls and quick-connect couplers, allowing full control of the product at the application point.

PREPARATION

All surfaces must be cleaned of loose materials, grease, oil, release agents, and other contaminants (e.g., by pressure washing). Damaged areas on the existing surface must be properly repaired or sealed using suitable repair materials that will adhere well to the existing surface and ensure proper adhesion of AsdasFlex 2K. On surfaces such as EPDM or metal, the use of a primer is required.

MEMBRANE

AsdasFlex 2K can be sprayed at a rate of 1,000 square feet (100 m²) per hour to achieve a monolithic membrane with a thickness of 1.5 mm (60 mil). Coverage may vary depending on the surface profile and texture, but a typical coverage rate is 17 square feet (1.6 m²) per gallon (3.78 liters) for most surfaces. The accelerator (second component) must not run off clean surface areas and is best sprayed from the lowest point of the roof to the highest.

AsdasFlex 2K is UV-resistant and weatherproof but is black in color. It is typically top-coated with a white acrylic or ceramic finish for enhanced energy efficiency.

MEMBRANE CURING

Although the two-component product cures instantly and becomes touch-dry immediately, the typical full curing time under sunny and warm weather conditions at 50°F (10°C) is 10–18 hours.

It is best to apply AsdasFlex 2K at 50°F (10°C) and rising temperatures. Do not allow freshly sprayed membranes to freeze before full curing. Drying time depends on weather and temperature conditions. As a water-based product, AsdasFlex 2K requires sufficient drying time to cure completely.

Application Areas;

Plaza Deck Waterproofing

Tiles, pavers, surface coatings, insulation, or other covering materials can be applied directly over the AsdasFlex membrane. This durable and flexible waterproofing membrane, achieved through a simple and quick installation, provides permanent resistance to ponding water.



Concrete Slab (Split-Slab) Waterproofing

AsdasFlex 1K or AsdasFlex 2K Rubber is widely used as a waterproofing membrane for concrete slab applications, including shelters, tunnels, parking structures, bridge decks, and similar structures.



Below-Grade and Blindside Waterproofing

Foundations require long-term protection against moisture to keep structures dry and free from degradation. AsdasFlex industrial-grade rubber provides this protection with an impermeable and flexible rubber membrane, ensuring durability and longevity.

It can be applied as a positive-side membrane on the exterior of foundation walls or used in blindside waterproofing applications by applying it to a fabric-faced drainage mat.



Wind Turbines, Grain Silos, Tunnels, and More

AsdasFlex 1K or 2K liquid-applied rubber membranes are used for waterproofing in various specialized applications. With exceptional adhesion to concrete surfaces and an industrial-grade, non-toxic formulation offering over 1200% elongation capacity, the potential uses of AsdasFlex membranes are virtually limitless.



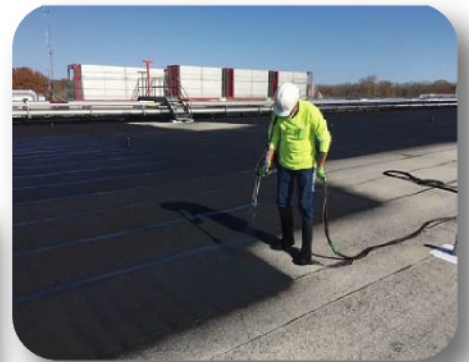
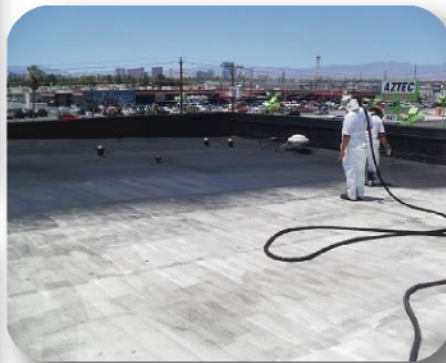
Eliminating Costly and Wasteful Roof Removal

AsdasFlex provides a sustainable and lifetime-durable roofing solution by removing the need for costly, labor-intensive, and wasteful roof removal processes.

Advantages of AsdasFlex:

- **Highly Flexible:** Over 1200% elongation.
- **High Tensile Strength:** 600 psi.
- **Retains Flexibility:** Even in sub-zero temperatures.
- **SingleCoat Application:** Achieves desired thickness in one layer.
- **Designed for Extreme Conditions:** Resistant to severe hail and harsh weather.
- **Odorless:** Ensures a pleasant application process.
- **Sustainable and Long-Lasting:** Built for longevity.
- **VOC Free:** Contains no harmful chemicals and is water-based.
- **Resistant to UV, Ozone, Saltwater, and Acids:** Ensures durability in challenging environments.
- **Enhances Durability Without Removal:** Uses the existing roof covering, eliminating the need for removal and repair.
- **Instant Curing During Application:** Leaves no footprint residue and is walkable immediately.

AsdasFlex offers an eco-friendly, efficient, and robust solution for modern roofing needs, combining durability with sustainability.



Restoration for Metal Roof Systems

AsdasFlex liquid rubber products are the ideal solution for restoring or repairing worn and leaking metal, steel, or zinc roofs. Our liquid restoration method eliminates the need for costly, labor-intensive, and wasteful replacement processes. Why rely on a membrane that requires thousands of screws to secure?

The AsdasFlex system is lightweight and quickly creates a thick, durable, and fully adhered membrane that adapts to seams, fasteners, edge details, and other complex shapes. It is recommended to apply a single reflective coat of paint over the membrane to enhance energy efficiency by reflecting sunlight.

Advantages:

- **Extremely High Elongation Capability:** Allows the membrane to stretch with the roof.
- **Prevents Rust and Corrosion:** Protects the roof from future damage.
- **Avoids Costly Replacement:** Saves time, money, and resources.
- **No Need for Thousands of Screws:** Prevents weakening the structure with excessive drilling.
- **Fast Application:** Minimizes disruption to facility operations.
- **Guaranteed Performance:** Covers ponding water, large hail, and strong winds.
- **Paintable Surface:** Reflects sunlight for improved energy efficiency.

With AsdasFlex, you can restore metal roof systems efficiently and sustainably, while ensuring long-lasting protection and energy savings.

	ASDASFLEX	AKRYLIC	SILICON
Elasticity (Elongation Capacity):	% 1200	% 270	% 200
Tensile Strength:	700 psi	150 psi	200 psi
Wind Resistance Rating:	990 psd	360 psf	90 fps
Surface Thickness:	2 mm -2.5 mm	0.50 mm – 1 mm	0.50 mm – 0.90 mm
Need for Felt Reinforcement:	Not Required	Required	Required
Water Permeability:	0.1 Perms	10 perms	5-7 perms
VOC Content:	0	25 g/L	37 g/L
Durability Period:	>20 Y1l	>10-12 Y1l	>3-7 Y1l
Slip Resistance:	Available	Available	Not Available

Restoration for Single-Ply Roofing Systems

AsdasFlex liquid rubber products are ideal for restoring all single-ply roofing systems, including PVC, TPO, EPDM, KEE, and Hypalon. When roofs become worn, deteriorated, or leaky, our liquid restoration method eliminates the need for costly, wasteful, and labor-intensive roof removal processes. Why replace a roof when it can be renewed with a new, durable, and flexible membrane?

The AsdasFlex system is lightweight and quickly applied to create a fully adhered, monolithic membrane over the existing single-ply system. AsdasFlex rubber enhances the thickness, puncture resistance, and durability of your current investment. Contact us to maximize performance without stretching your budget.

Advantages

- The Last Roof You'll Ever Need (with maintenance)!
- Avoids wasteful and labor-intensive replacement processes.
- Single-coat application achieves the desired membrane thickness.
- Instantly rain-resistant after application.
- Retains flexibility even in sub-zero temperatures.
- FM - tested and approved.
- Includes a warranty covering ponding water and large hail.
- Reflective topcoat enhances energy efficiency and extends the roof's lifespan.

AsdasFlex offers an efficient, eco-friendly, and cost-effective solution for single-ply roof restoration, ensuring durability and long-term performance.

	ASDASFLEX	AKRYLIC	SILICONE
Elasticity (Elongation Capacity):	% 1200	% 270	% 200
Tensile Strength:	700 psi	150 psi	200 psi
Wind Resistance Rating:	990 psd	360 psf	90 fps
Surface Thickness:	2 mm -2.5 mm	0.50 mm – 1 mm	0.50 mm – 0.90 mm
Need for Felt Reinforcement:	Not Required	Required	Required
Water Permeability:	0.1 Perms	10 perms	5-7 perms
VOC Content:	0	25 g/L	37 g/L
Durability Period:	>20 Years	>10-12 Years	>3-7 Years
Slip Resistance:	Available	Available	Not Available

Restoration and Repair for Modified Bitumen, BUR, and Granulated Roof Systems

AsdasFlex liquid rubber products are the perfect solution for restoring or repairing worn and leaking Modified Bitumen, Built-Up Roofing (BUR), and Granulated Roof systems. Our liquid restoration method eliminates costly, wasteful, and labor-intensive roof removal processes, leveraging the existing roof's structure for enhanced performance.

The AsdasFlex system is lightweight and quickly applied to create a fully adhered, thick, durable, and monolithic membrane over the existing asphalt-based roof. No need for thousands of screws or harmful adhesives!

Advantages

- Avoids costly, wasteful, and labor-intensive replacement processes.
- Odorless, VOC-free, and water-based.
- Achieves desired membrane thickness in a single coat.
- Instantly rain-resistant upon application.
- Combines high flexibility with exceptional tensile strength.
- Maintains flexibility even in sub-zero temperatures.
- FM - tested and approved for reliability.
- Warranty covers ponding water, severe winds, and large hail.
- Seamless, durable, and monolithic membrane.
- Permanently resistant to ponding water.

With AsdasFlex, you get a sustainable, efficient, and cost-effective solution for restoring Modified Bitumen, BUR, and Granulated Roof systems, ensuring long-lasting protection and durability.

	ASDAS FLEX	TPO Membrane (1.5 mm)
Elasticity (Elongation Capacity):	% 1200	% 25
Resistance to Fire	Class E	Class E
Wind Resistance Rating:	990 psd	105 psd
Need for Felt Reinforcement:	Not Required	Required
Application Method	It is applied directly by spraying over the old coating without any repairs.	A separation layer (felt or insulation board) and thousands of fasteners with plates are used.
Maintenance and repair.	It is applied over the old surface.	The repair is very difficult.
Durability Period:	>20 Years	5 Years

Restoration and Long-Term Protection for Concrete Roofs

AsdasFlex seamless rubber products are ideal for leaking and long-term protection of existing concrete roofs. The AsdasFlex membrane is lightweight and quickly applied to create a thick, durable, and fully adhered layer on the roof. Unlike traditional coatings such as acrylics and silicones, which are breathable and difficult to repair, AsdasFlex provides real protection. Instead of just applying a "sunscreen" to your concrete roof, apply a "skin" that will offer the actual protection you need.

Advantages:

- Provides permanent resistance to ponding water.
- Odorless, VOC-free, and water-based.
- Extremely flexible with high tensile strength.
- Retains flexibility even in sub-zero temperatures.
- FM-tested, with the highest wind uplift resistance.
- Provides excellent adhesion to concrete without the need for a primer.
- Seamless, durable, and monolithic.

AsdasFlex is the ultimate solution for concrete roof restoration, ensuring long-lasting, efficient protection against the elements.

	ASDAS FLEX	HIGH SOLIDS SILICONE
Elasticity (Elongation Capacity):	% 1200	% 249
Resistance to Fire	Class E	Not determined
Surface Thickness:	1.5 mm	1 mm
Tensile Strength	700 psi	325 psi
Water Permeability:	0.1 Perms	9.3 perms
VOC Content:	0	<85 g/L
Cleaning	with Water	Nafta, Diesel, etc.
Maintenance - Repair	Repairs can be made with any type of material.	Repairs are made with silicone only.

Repair and Renovation for SPUF (Spray Polyurethane Foam) Roofs and Other Coated Roofs

AsdasFlex liquid rubber products are ideal for repairing or restoring existing SPUF (spray polyurethane foam) roofs or roofs previously covered with different coatings (acrylic, asphalt, aluminum, urethane). Our products do not adhere to silicone, so any silicone coatings must be completely removed before application. AsdasFlex is different from other liquid-applied roofing materials in the industry. After cleaning off any loose sections of the existing coating, the roof can be resealed with a thick, durable, and impermeable rubber membrane in a single coat, without the need for fabric reinforcement. The cycle of constantly "re-coating" your roof is now a thing of the past.

Advantages:

- Odorless, VOC-free, and water-based.
- Achieves the desired thickness in a single coat.
- Instantly rain-resistant upon application.
- Highly flexible with high tensile strength.
- Retains flexibility even in sub-zero temperatures.
- FM-tested and approved.
- Warranty covers ponding water, severe winds, and large hail.
- Non-breathable structure.

AsdasFlex offers a long-lasting, efficient, and simple solution for roof repair and restoration, eliminating the need for repeated applications and providing solid, lasting protection.

Corrosion Control, Mining, and Protective Coatings

AsdasFlex liquid rubber products are designed to protect steel and concrete surfaces from corrosion. When applied in either single or two-component form, the rubber creates a thick, durable, and highly flexible membrane that is resistant to various acids, caustic chemicals, and saltwater. **AsdasFlex** is completely impermeable and prevents oxidation or degradation of the surface underneath.

Advantages:

- Suitable for **oil and gas pipelines**.
- Extremely flexible and durable.
- Can be applied by spray, roller, or brush.
- Water-based, zero VOC, and odorless.
- UV-resistant, yet easily paintable.
- Provides strong adhesion to **concrete** and **metal**.

Application Areas:

- **Secondary Containment Areas**
- **Beams and Pipes**
- **Channels**
- **Leak Pads**
- **Structural Supports**
- **Walls**
- **Tanks**
- **Roof Coatings**
- **Wastewater Storage**

AsdasFlex offers reliable corrosion protection and is an ideal solution for industrial applications, ensuring long-term performance and durability.

Protective Coating

A protective coating (also known as a containment coating) is a specialized layer used to provide protection against various chemicals, abrasives, and environmental factors. These coatings are primarily used to protect infrastructure in industries such as oil, gas, chemicals, mining, and waste management. By covering surfaces, they prevent leaks, corrosion, and degradation, thereby extending the lifespan of infrastructure and enhancing safety.

AsdasFlex eco-friendly liquid rubber membrane is frequently used as a primary or secondary containment coating due to its high resistance to many chemicals, acids, and pollutants.

Application Areas:

Industrial secondary storage tanks

Industrial chemical production facilities

Secondary storage pits and basins

Processing plants and warehouses

Fertilizer tanks

Sulfuric acid containment

Water storage facilities

AsdasFlex offers exceptional durability and protection, making it ideal for use in industrial environments where corrosion and chemical resistance are critical.

What chemicals is the material resistant to?		
Alcohol	Cottonseed Oil	Potassium Sulfate
Aluminum Chloride or Sulfate	Glucose	Saltwater
Ammonium Hydroxide less than 10%	Gluten	Sodium Bisulfate
Ammonium Chloride	Helium	Sodium Bromide
Ammonium Sulfate	Hydrochloric Acid <	Sodium Carbonate
Boric Acid	Hydrogen less than 10%	Sodium Chloride less than 50%
Barium	Iron (Ferro - All)	Sodium Nitrate
Vinegar	Iron Carbonate	Sucrose
Butane	Iron Hydroxide	Sulfuric Acid less than 40%
Butyl Alcohol	Lime (Caustic)	Sodium Hydroxide less than 1%
Calcium Carbonate	Lime	Tannic Acid
Calcium Chloride less than 50%	Magnesium (All)	Tin Chloride
Calcium Nitrate or Sulfate	Nickel (All)	Urea
Calcium Hydroxide (Lime)	Paraffin	Vaseline
Citric Acid	Phosphoric Acid < 50%	
Carbon Dioxide	Potassium Chloride	
Copper (All)	Potassium Citrate	
Corn Syrup less than 50%	Potassium Hydroxide < 45%	

ÜRÜN KIYASLAMA TABLOSU

TEKNİK VERİLER	ASDAŞ FLEX 2K	SBS-Modified, Highly Elastic Membrane	FLEX POLIUREA	MS Polymer Waterproofing System
Color	BLACK	BLACK	GREY	GREY
Thickness (mm.)	2 mm.	5 mm.	2 mm.	3 mm.
VOC VOLATILE COMPONENT RATIO %	None	Not Specified	None	Not Specified
Solid Content %	63%	Not Specified	100%	Not Specified
Gel Time (s)	20 s	None	20 s	8 Hours
Elongation at Break (%)	1200%	1600%	300%	700%
Tensile Strength	7 N/mm2	1,2 N/mm2	16N/mm2	Not Specified
UV Resistance	Available	None	Partially	Available
Hydrostatic Pressure	Impermeable	Impermeable	Impermeable	Impermeable
Surface Moisture Tolerance (%)	20%	Not Specified	4%	50%
Shore A Hardness	40	Not Specified	80	30
Service Life	80°C / -25°C	Not Specified	60°C / -20°C	80°C / -25°C
Reaction to Fire	A (FM4470)	E (EN13501-1)	E (EN13501-1)	E (EN13501-1)
Puncture Resistance	Perfect	Perfect	Good	Good
Low Temperature Flexibility	-25	-25	-20	-25
Chemical Resistance	Chloride, Nitrate, Sulfate (Sulphate), Acid	Chloride, Nitrate, Sulfate (Sulphate)	Chloride, Nitrate, Sulfate (Sulphate)	Chloride, Nitrate, Sulfate (Sulphate)
Potable Water Use	Approved	None	Not Specified	Not Specified
Water Solubility	Permanently Resistant	Not Specified	Partially	Partially
Application Method	Spraying (With Special Machine)	Laid Tube	Spraying (With Special Machine)	Brush Application

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