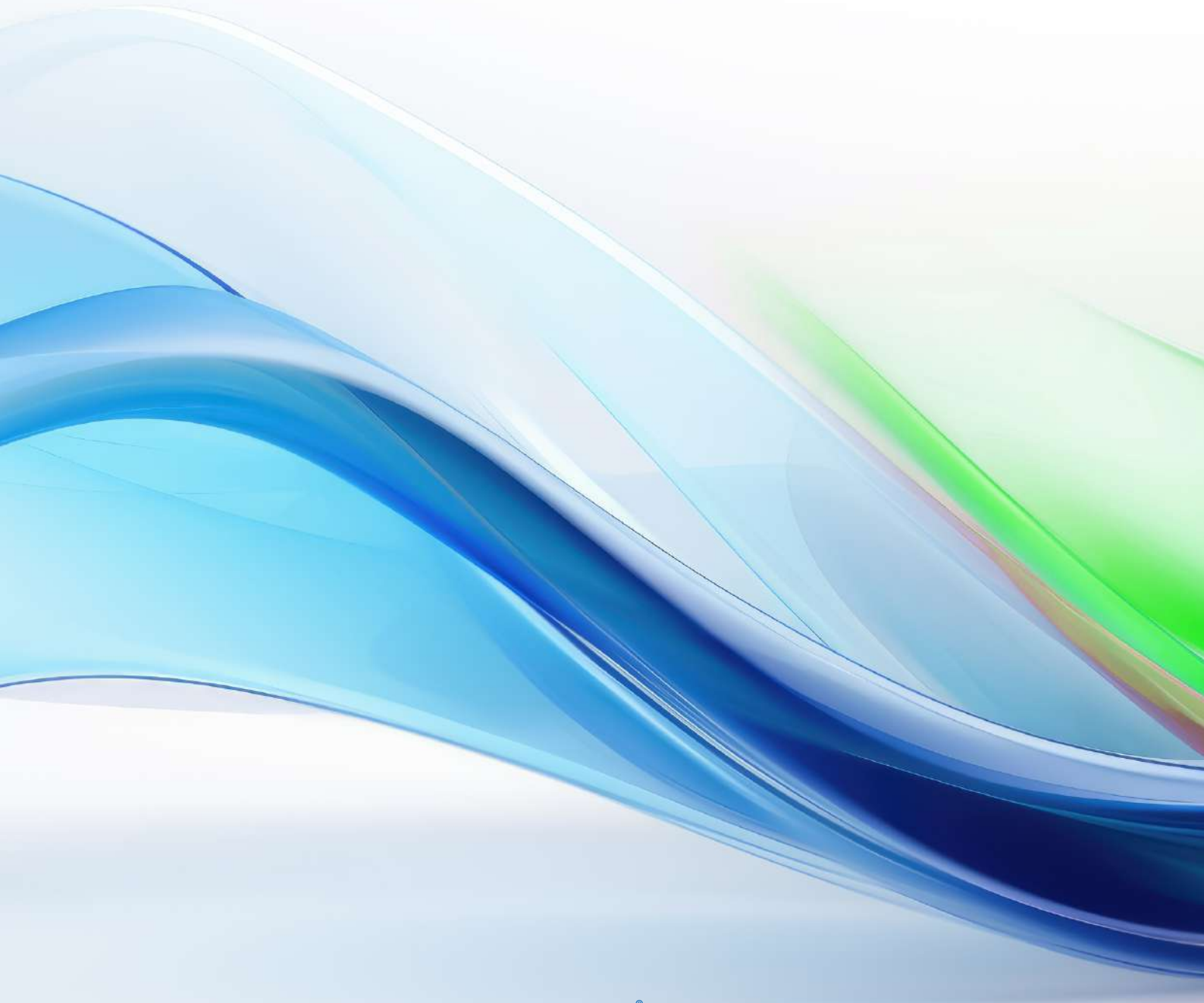
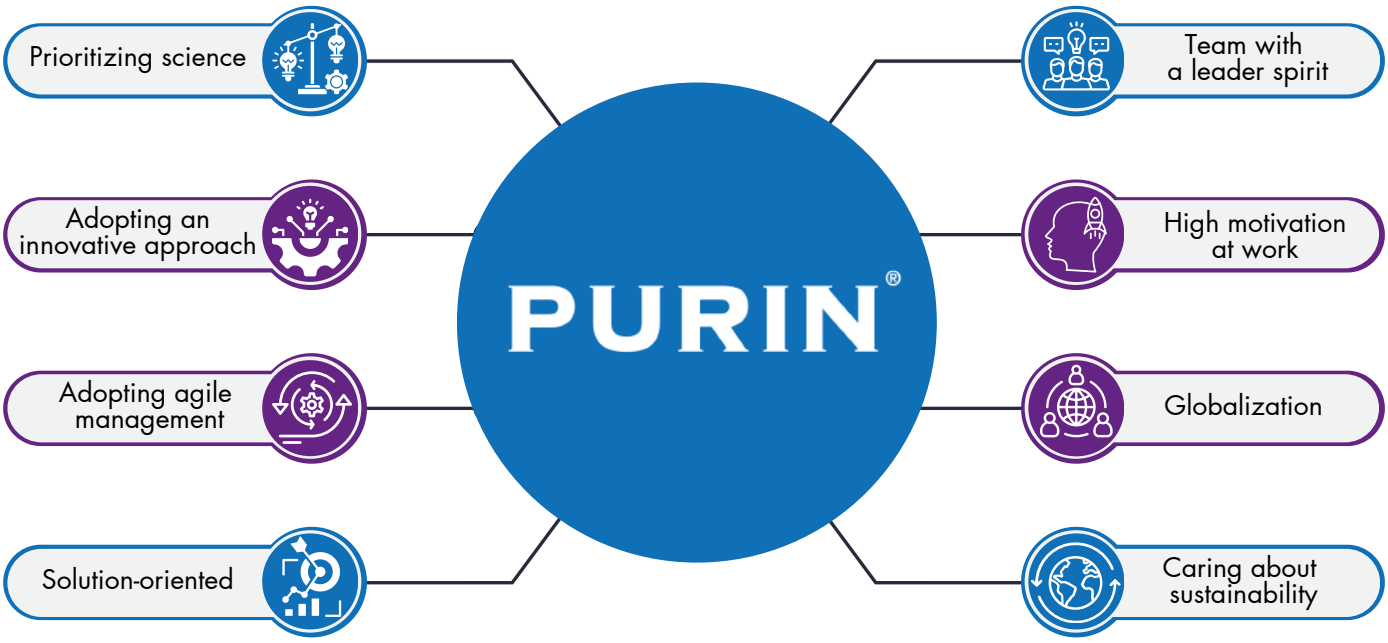
PURIN®

Innovation for humanity,
responsibility for nature.



PURINATE®

M



M M

- To prioritize the scientific approach in studies,
- To ensure continuity in innovative products,
- To be an excellent team with high communication power,
- To provide values that will make a difference to the sector,
- To be focused on continuous learning and continuous improvement.

M

To increase our product range in this field by focusing on innovative and environmentally friendly product designs and to leave a better world to future generations while making our living spaces more comfortable.

O M

PURIN is a brand that responds quickly to the requests of its customers, offers direct technical support with its experience and expertise, and has a "win to win" relationship with all its partners.

M

For any environment that affects human life, we work with you and for you to prepare a bright future for generations to come by offering innovative, environmentally friendly, and safe products manu-factured with utmost attention and care by Purin working relentlessly.

+20 Export to Country

+50.000 tons/year Production Capacity

+20 Large Scale Project

Engineering and Equipment Services

PURINATE®

We provide both product and technical support to manufacturers with many resins with different chemical or physical properties. We support our customers in all their processes with our technical infrastructure in new product development and manage their projects together. As an alternative supplier for the products they currently use, we provide a dynamic process with fast and highperformance products.



PURINAqua

PURINATE

PURINCOAT PURINADHE PURINSEAL PURINELAS



For any environment that affects human life, we work with you and for you to prepare a bright future for generations to come by offering innovative, environmentally friendly, and safe products manufactured with utmost attention and care by Purin working relentlessly.



As important as water is for our survival, it is also dangerous. We must provide all the necessary conditions for a sustainable life by using science and technology. On the one hand, we should pay attention to the careful and proper use of water, and on the other hand, we should prevent its harm to us. We must ensure that our structures, where we and our loved ones are the safest. life is shortened by contact with water.

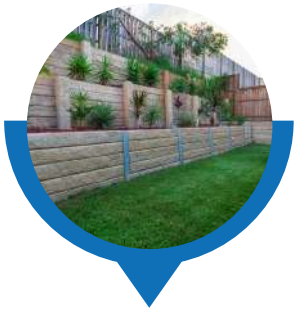


Concrete structures will allow water to pass into the interior. The irons that act as skeletons in concrete structures are subjected to rusting and loss of performance as a result of water contact. This makes it difficult for our buildings to survive. Therefore, waterproofing in buildings protects our lives and the lives of our loved ones.

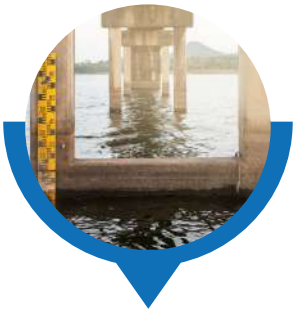
- When waterproofing materials are summarized, they are used in the following areas;



Foundations



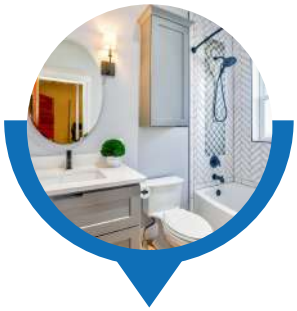
Walls



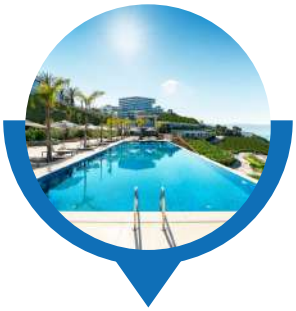
Water Accumulation and Splash Levels



Structural Features



Wet Areas



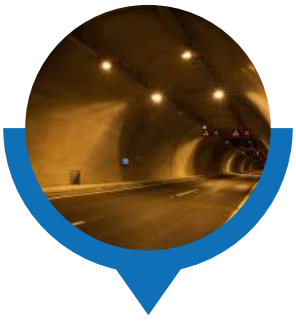
Water Areas



Warehouses



Waterways



Structures and Gateways

Waterproofing should be done in every area from the foundation to the roof. The material to be selected for waterproofing must first prevent the passage of water. In addition, some mechanical properties are required. Many organic or inorganic materials have been used until today. The popular ones can be summarized as cement-based inorganics, acrylic resins, bitumen resins, bitumen-polyurethane resins, polyurethane resins.



If the isolation process is done from the direction of the water, it is called positive isolation, while if it is done from the opposite direction of the water, it is called negative isolation. Positive isolation materials are spread-based materials. Negative isolation materials are injection resins.

Isocyanate (NCO)-terminated polyurethane systems are versatile materials used in a wide range of industrial applications. Thanks to their properties such as durability, flexibility and adhesion, these systems are used in the production of various products in different industries.

PURINATE

Diversity

A wide range of products is offered to suit different industrial applications.

Performance

High durability, flexibility and adhesion properties ensure long life and reliability.

Application Areas

It has a wide range of applications in the automotive, building materials, furniture and coatings industries.

Formulation Flexibility

They can be formulated according to the desired physical properties, enabling products to be designed to suit different requirements.

Technological Innovation

With the continuous development of technology, more efficient, environmentally friendly and sustainable products are being developed.

The isocyanate (NCO) termination is one of the important properties of polyurethanes, which determines the reactivity of the material and its application areas. NCO termination allows the material to adhere to various substrates and also provides formulation flexibility to achieve the desired physical properties.



Industrial application areas where these systems are used include automotive, building materials, furniture, coatings and insulation materials. For example, in the automotive sector, NCO-terminated polyurethanes are widely used for coating, bonding and sealing vehicle interior parts.





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Silane-Terminated Polyurethane Systems represent a special type of polyurethane chemical structures and are an innovative material used in various industrial applications. These systems are created by adding silane groups to the structure of polyurethane. This improves the chemical and physical properties of the material and provides several advantages.

PURINATE

S

S

High Adhesion Strength

Silane-Terminated Polyurethane Systems have excellent adhesion to a variety of substrates, providing strong and durable bonds.

Resistance to Water and Chemicals

These systems are resistant to water and chemicals and are suitable for use in outdoor and industrial environments.

Fast and Easy Application

User-friendly and easy-to-apply features increase work efficiency.

Flexibility and Compatibility

It can adapt to different substrates and industrial requirements, offering a wide range of uses.

Environmentally Friendly Formulations

Contains fewer solvents, reduces VOC emissions, minimizes environmental impact.

One of the main features of these systems is their high adhesion strength. The silane termination ensures excellent adhesion of the material to various surfaces. This property enables the products to form reliable and durable joints, which allows them to be used in various industrial applications.



Furthermore, Silane-Terminated Polyurethane Systems increase resistance to water and chemicals. This makes the material ideal for outdoor applications or industrial environments requiring chemical exposure.

These systems are generally considered environmentally friendly formulations. They contain fewer solvents and generally reduce VOC (Volatile Organic Compound) emissions, which reduces environmental impacts and provides an eco-friendly option.



As a result, Silane-Terminated Polyurethane Systems are an important material in industrial applications, offering reliable performance and environmentally friendly properties. Their high adhesion strength, water and chemical resistance and environmentally friendly formulations make them the preferred choice for a wide range of uses.



H H H H

Hydroxyl-terminated polymer systems (polymers containing hydroxyl (-OH) functional groups at both ends of their chains) are a type of polymer with the ability to react with other materials and form various products.

PURINATE®

H H H

High Heat Resistance

The glass transition temperature (Tg) is high and can reach up to 150°C. This makes it a material that can be used at high temperatures.

High Chemical Resistance

It is resistant to many chemicals. This makes it a material that can be used in chemical environments.

Excellent Water Resistance

It has excellent resistance to water. This makes it a material that can be used in waterproofing applications.

High Mechanical Strength

It has high mechanical strength. This makes it a material that can be used in structural applications.

Good Workability

Easier to process than other polymers.



H H H H

Hydroxyl Finite Polymer Systems is a versatile and reliable polymer type with a wide range of uses. Its properties such as high heat resistance, chemical resistance, water resistance, mechanical strength and processability make it preferred in various industrial applications.

PURINATE

Adhesives and Sealants

Used in the formulation of adhesives and sealants.

Coatings

Preferred in surface coatings and protective coatings.

Filling Materials

Used in the formulation of filling materials.

Elastomers

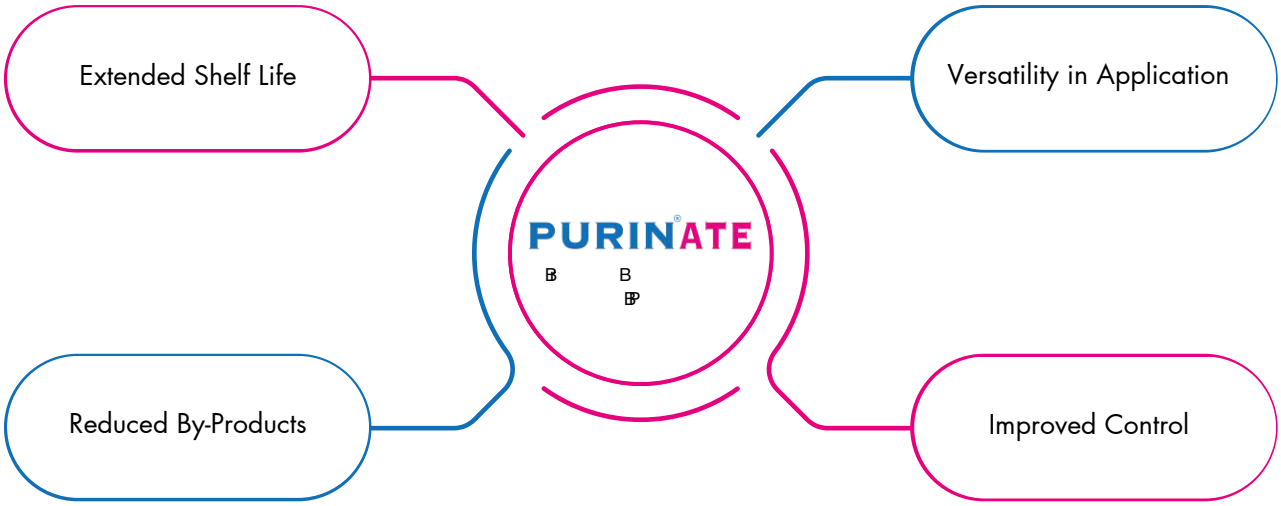
Used in the production of flexible and durable elastomer materials.

Foams

Used as insulation foams and lightweight filling materials.



Conventional prepolymer resins have a short pot life due to their reactive ends. This can lead to difficulties in application. Blocked polyurethane systems offer a solution by encapsulating these reactive isocyanate ends with blocking agents.



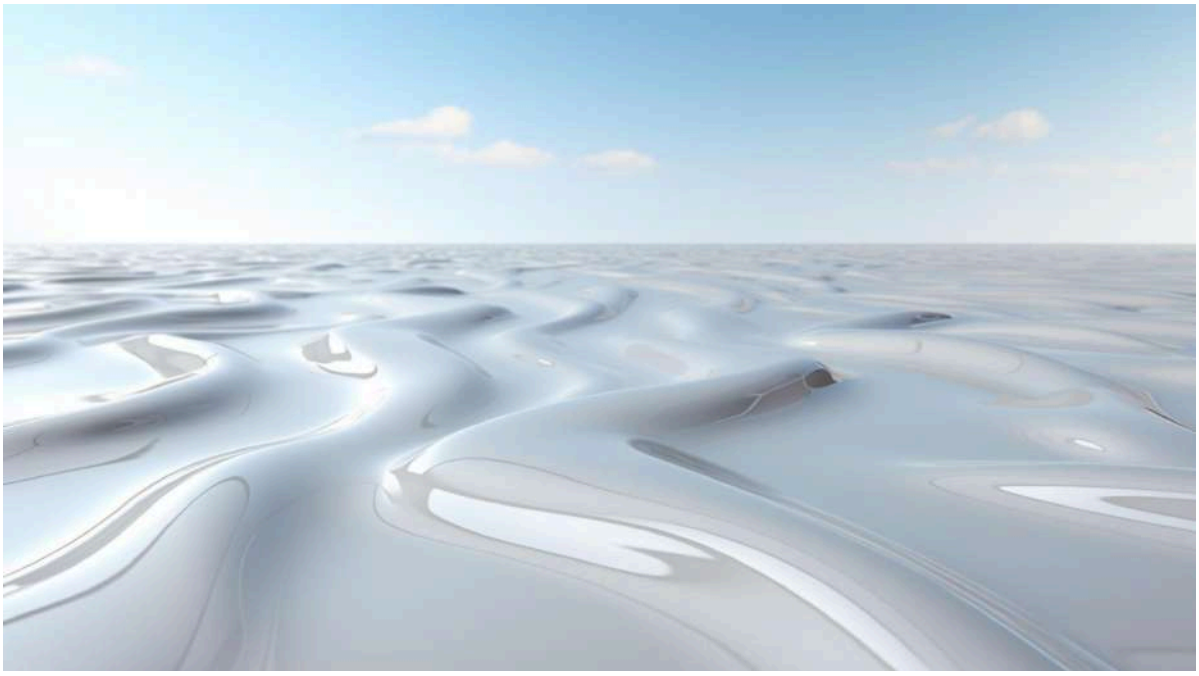
Blocked polyurethane systems offer a superior alternative to stoving polyurethane resins. They have a significantly longer shelf life and greater flexibility in application conditions.



P P P

Products	Isocynate Type	Functional Group	NCO (%)	Solid Content (%)	Solvent Type	Viscosity (23°C mPa.s)
PURINATE AD 01	-	NCO	-	100	-	50 - 200
PURINATE RM 104	TDI	NCO	2,50 – 3,50	80	Xylene	400 - 600
PURINATE RM 105	TDI	NCO	3,00 – 3,50	100	-	6.000 – 7.000
PURINATE RM 106	TDI	NCO	4,00 – 4,50	100	-	6.000 – 7.000
PURINATE RM 304	MDI	NCO	2,50 – 3,50	80	Xylene	500 – 1.500
PURINATE RM 305	MDI	NCO	3,50 – 4,50	100	-	60.000 – 80.000
PURINATE RM 501	IPDI	NCO	2,50 – 3,50	80	Xylene	500 – 1.500
PURINATE RM 502	IPDI	NCO	4,00 – 5,00	75	Xylene	500 – 1.000
PURINATE HR 101	MDI	NCO	27,00 – 29,00	100	-	400 -600
PURINATE HR 102	MDI	NCO	31,00 – 32,00	100	-	40 -60
PURINATE IR 101	MDI	NCO	9,00 - 11,00	100	-	8.000 - 9.000
PURINATE IR 102	MDI	NCO	9,00 - 11,00	100	-	3.000 - 4.000
PURINATE IR 103	MDI	NCO	15,00 - 16,00	100	-	1.000 - 2.000
PURINATE RP 101	MDI	NCO	14,00 – 16,00	100	-	4.000 – 6.000
PURINATE RP 102	MDI	NCO	14,00 – 16,00	100	-	1.000 - 2.000
PURINATE RP 103	MDI	NCO	14,00 – 16,00	100	-	900 –1.100
PURINATE RP 104	MDI	NCO	24,00 - 25,00	100	-	200 - 300
PURINATE RP 105	MDI	NCO	9,00 - 10,00	100	-	2.000 - 3.000
PURINATE RP 106	MDI	NCO	24,00 - 26,00	100	-	400 - 500
PURINATE RB 106	MDI	NCO	7,50 - 8,50	100	-	2.000 - 4.000
PURINATE SP 101	IPDI	Silane	-	60	Xylene	4.000 - 6.000
PURINATE SP 102	IPDI	Silane	-	100	-	40.000 - 60.000
PURINATE BP 101	MDI	Blocked (1)	-	70	Xylene	1.200 -1.600
PURINATE BP 102	MDI	Blocked (2)	2,50 – 3,50	70	Xylene	1.500 – 2.000
PURINATE BP 201	IPDI	Blocked (1)	-	80	Xylene	600 –1.200
PURINATE BP 202	IPDI	Blocked (2)	2,50 – 3,50	80	Xylene	1.000 - 1.500

- Blocked (1) : It is a polymer terminated with MEKO and a hardener added. It is a ready-to-use product
- Blocked (2) : It is a product finished with MEKO. You can add different cross-linkers



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responsibility for nature.



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