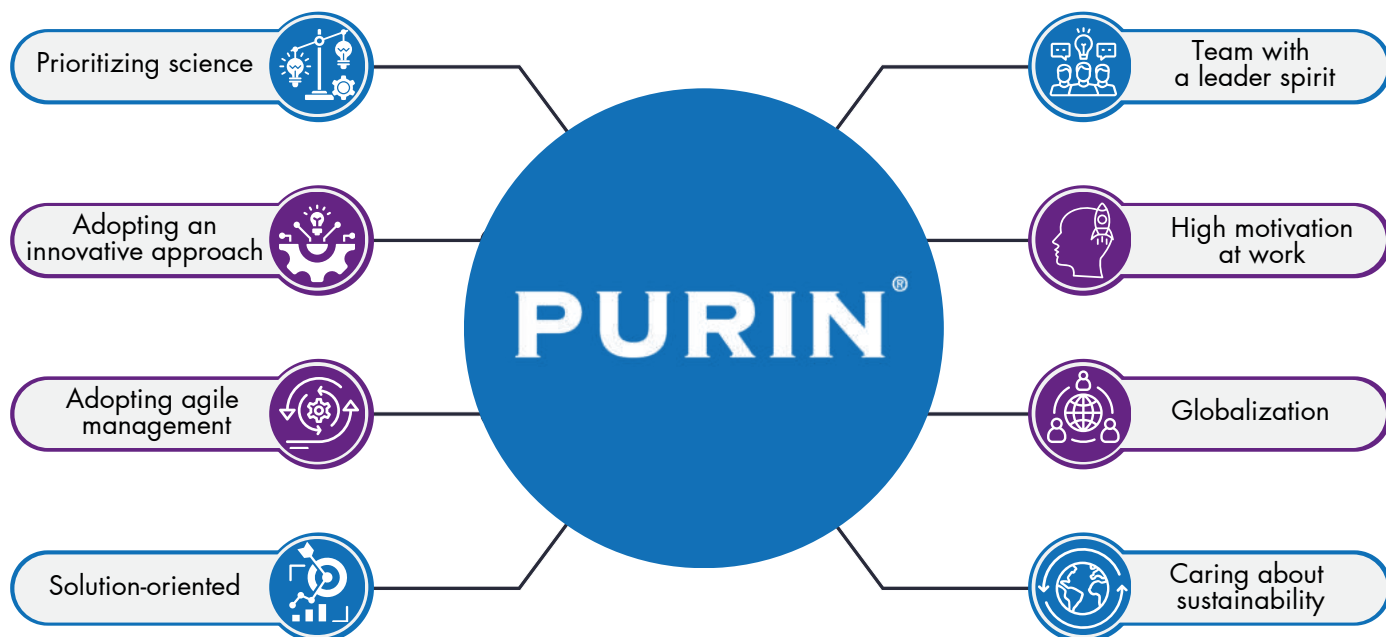




Polyurethane Injection Systems

PURIN[®]

About Us



Our Understanding Of Work

- 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.



Our Mission

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.

About Us

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.



Our Vision

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.

+20 Export to Country

+50.000 tons/year Production Capacity

+20 Large Scale Project

Engineering and Equipment Services

PURIN[®]SEAL

Water flows into the building through cracks that occur during or after construction. The water ingress can be prevented by applying negative side injection at points where positive waterproofing is not possible. Leaking concrete structures can be permanently repaired by crack injection techniques using polyurethane resin which reacts with water to form a watertight foam.



PURIN[®]Aqua

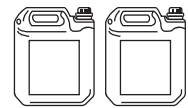
PURIN[®]ATE

PURIN[®]COAT PURIN[®]ADHE PURIN[®]SEAL PURIN[®]ELAS



PURINSEAL[®]

Polyurethane Injection Systems



One-Component Products

- ✓ It creates foam in contact with water without the need for a catalyst mixture.
- ✓ There must be water in the application area.
- ✓ Polyurethane resins form a semi-rigid foam.

One-Component Products With Catalyst

- ✓ Polyurethane resins react with water to form a watertight foam.
- ✓ There must be water in the application area.
- ✓ Polyurethane resins vary in rigid and semi-rigid, flexible and semi-flexible foam forms

Two-Component Products

- ✓ Two-component non-foaming products are used for permanent sealing.
- ✓ Two-component foaming products are preferred in high volume voids, with or without water.
- ✓ They are used in void filling and ground stabilization applications in mining.

Injection in Mining

Injection in Tunneling

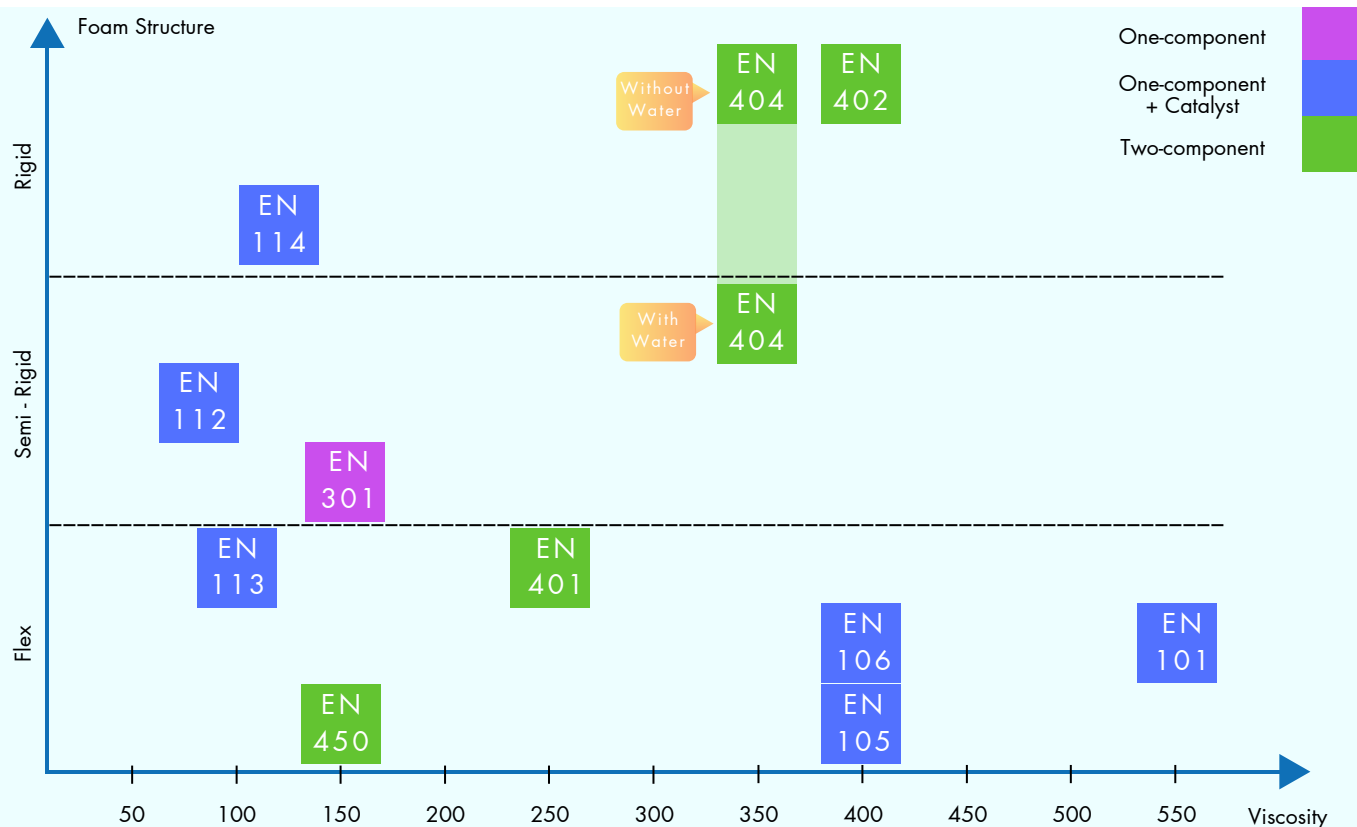
Injection in Dams

Crack Injection

Ground Strengthening and Stabilization



Products Table



Products	Viscosity (cP, 23°C)	Mixing Rate	Structure	Start of Reaction	End of Reaction	Dilatation Injection	Crack Injection	Ground Stabilization	Mining and Tunneling	Dams
PURINSEAL EN 101	550 cP	10% Catalyst	Forms a flexible, closed-cell foam when in contact with water.	20 sec	150 sec	✓	✓		✓	✓
PURINSEAL EN 105	400 cP	10% Catalyst	Forms a very flexible, closed-cell foam when in contact with water.	10 sec	100 sec	✓	✓		✓	✓
PURINSEAL EN 106	400 cP	5% Catalyst	Forms a very flexible, closed-cell foam when in contact with water.	10 sec	70 sec	✓	✓		✓	✓
PURINSEAL EN 112	<100cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	10 sec	135 sec		✓		✓	✓
PURINSEAL EN 113	100 cP	10% Catalyst	Forms a flexible, closed-cell foam when in contact with water.	10 sec	90 sec	✓	✓		✓	✓
PURINSEAL EN 114	120 cP	1% Catalyst	Forms a semi-rigid foam when in contact with water.	10 sec	120 sec			✓	✓	
PURINSEAL EN 115	200 cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	5 sec	75 sec	✓	✓		✓	✓
PURINSEAL EN 116	200 cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	18 sec	95 sec	✓	✓		✓	✓
PURINSEAL EN 301	150 cP	Without Catalyst	Forms a semi-rigid foam when in contact with water.	20 sec	140 sec		✓		✓	✓
PURINSEAL EN 401	250 cP	1:1	Forms a watertight, flexible elastomeric gasket (70 shore A)	Pot Life: 40 min		✓	✓	✓	✓	✓
PURINSEAL EN 402	400 cP	1:1	Forms a watertight, rigid elastomeric gasket (70 shore D)	20 sec	40 sec			✓	✓	
PURINSEAL EN 403	300 cP	1:1	Forms a rigid foam in anhydrous environment	10 sec	80 sec			✓	✓	
PURINSEAL EN 404	350 cP	1:1	Forms rigid foam when in contact with water and forms a rigid elastomeric gasket in anhydrous environment.	20 sec	140 sec		✓	✓	✓	
PURINSEAL EN 404S	350 cP	1:1	Forms rigid foam when in contact with water and forms a rigid elastomeric gasket in anhydrous environment.	50 sec	500 sec		✓	✓	✓	
PURINSEAL EN 405	325 cP	1:1	Forms rigid foam in anhydrous environment, expands x1 of its volume (70 shore D)	40 sec	120 sec			✓	✓	
PURINSEAL EN 450	200 cP	1:1	Forms a very flexible, closed-cell foam, foaming reaction only takes place in direct contact with water	15 sec	80 sec	✓	✓		✓	✓

Values Proposition



Engineering



With our engineers, we support you in the use of our products in your projects and provide solutions to the problems you encounter.

Application

We provide injection molding application service if you need it for your projects.



Machinery & Equipment



We provide you with solutions for all the machinery and equipment you need in injection molding applications.

Product Expertise

We are at your side with our product experts in the development of special products and in the selection of application-specific products.



Accessibility



PURIN's biggest goal is accessibility. We strive to be at the closest point to you with our production facilities, sales offices, warehouses, distributors and local solution partners.

Fast Support

We provide very fast support with direct communication at the first contact, product presentations and selections, demos, sales process and most importantly after sales.



Product Performance Guarantee



Our products are manufactured and quality tested according to international standards. We provide you with all the necessary performance criteria.

References

Our reference list is expanding day by day with our product performance, services and business approach.



Demo Application



If you want to see and experience the performances of our products, we provide demo application service for you.

Fast Supply

We provide you with fast product supply with our global accessibility target, high production capacity, short-term stocked work and alternatives in terms of transportation.





We are at your service with our product experts in the development of special products and the selection of application-specific products.



We provide very fast support with direct communication at first contact, product presentations and selections, demos, sales process and most importantly after sales.



PURIN's biggest goal is accessibility. We strive to be at the closest point to you with our production facilities, sales offices, warehouses, distributors and local solution partners.



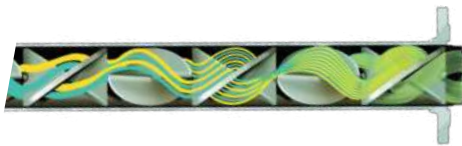
Injection Pumps



One-component Injection Pump



Two-component Injection Pump



Static Mixer



Packers



Aluminum

10 x 80

10 x 100

10 x 120

10 x 150

10 x 200

13 x 80

13 x 100

13 x 120

13 x 150

13 x 200

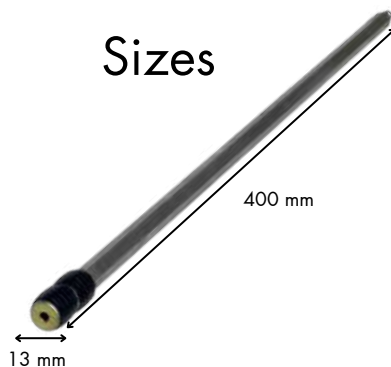
13 x 250

13 x 300

13 x 350

13 x 400

Sizes



Steel

8 x 80

10 x 100

10 x 115

13 x 100 (Flat head)

13 x 100 (Double gasket)

13 x 100 (One gasket)

13 x 115 (Flat head)

13 x 115

13 x 150

16 x 130 (Flat head)



Tests



PURIN provides certificates, test reports, MSDS and TDS for its products. Ductile filler for the injection of cracks, voids or openings in concrete (D) Certified according to EN 1504-5:2004 with CE marking.





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