

STAR POLYUREA SHIELD

A WATERPROOF COATING WITH EXCELLENT PHYSICAL PROPERTIES AND DURABILITY

Surfaces like concrete, steel and wood face cracks, abrasion and corrosion frequently due to weather conditions and need a protection cover.



Star Polyurea Shield

Star Polyurea Shield is truly a remarkable coating which is based on strong linings and joint sealant technology and used to address corrosion, abrasion and waterproofing issues.



What is Polyurea

Polyurea coating technology is primarily used in waterproofing and protective coating applications.



Polyurea coating



Star Polyurea Shield

Star Polyurea Shield makes the surface Waterproof, Corrosion and abrasion resistant by providing excellent performance benefits.

EPOXY

- Moisture Resistance
- UV resistance
- Abrasion resistance
- Chemical resistance
- Temperature resistance
- Durability

POLYUREA

- Better moisture Resistance
- More UV resistance
- Better Abrasion resistance
- Better Chemical resistance
- Better Temperature resistance
- More Durable
- Quicker cure time

Star Polyurea Shield

- Star Polyurea Shield has Very fast setting Curing time typically 2 to 5 minutes depending upon the formulation which allows foot traffic soon after application
- Star Polyurea Shield has great elongation characteristics which exhibit extraordinary toughness and resistance to impact, tear and abrasion.

Polyurea

Epoxy

Excellent flexibility

- In terms of overall durability and flexibility, polyurea wins over even the strongest epoxy material. Because it's so flexible, the material can move with the concrete when there are major shifts in weight or temperature.



Benefits of Star Polyurea Shield

1

CORROSION RESISTANT

Star Polyurea Shield provides a barrier layer to hamper electrolyte penetration, which efficiently prevents the underlying metals from corrosion attack.



2

WATERPROOFING

Star Polyurea Shield is a coating that turns the surface into a waterproof surface after application. Furthermore, these membranes are vapour permeable, preventing moisture accumulation.



Benefits of Star Polyurea Shield

3

CRACK BRIDGING

Star Polyurea Shield is a protective coating that works as a floor sealers and saves the surface from wear and tear.



4

CHEMICAL RESISTANT

Star Polyurea Shield is Chemical Resistant coating that provides outstanding protection from prolonged chemical attack. It can withstand even various harsh chemicals also.



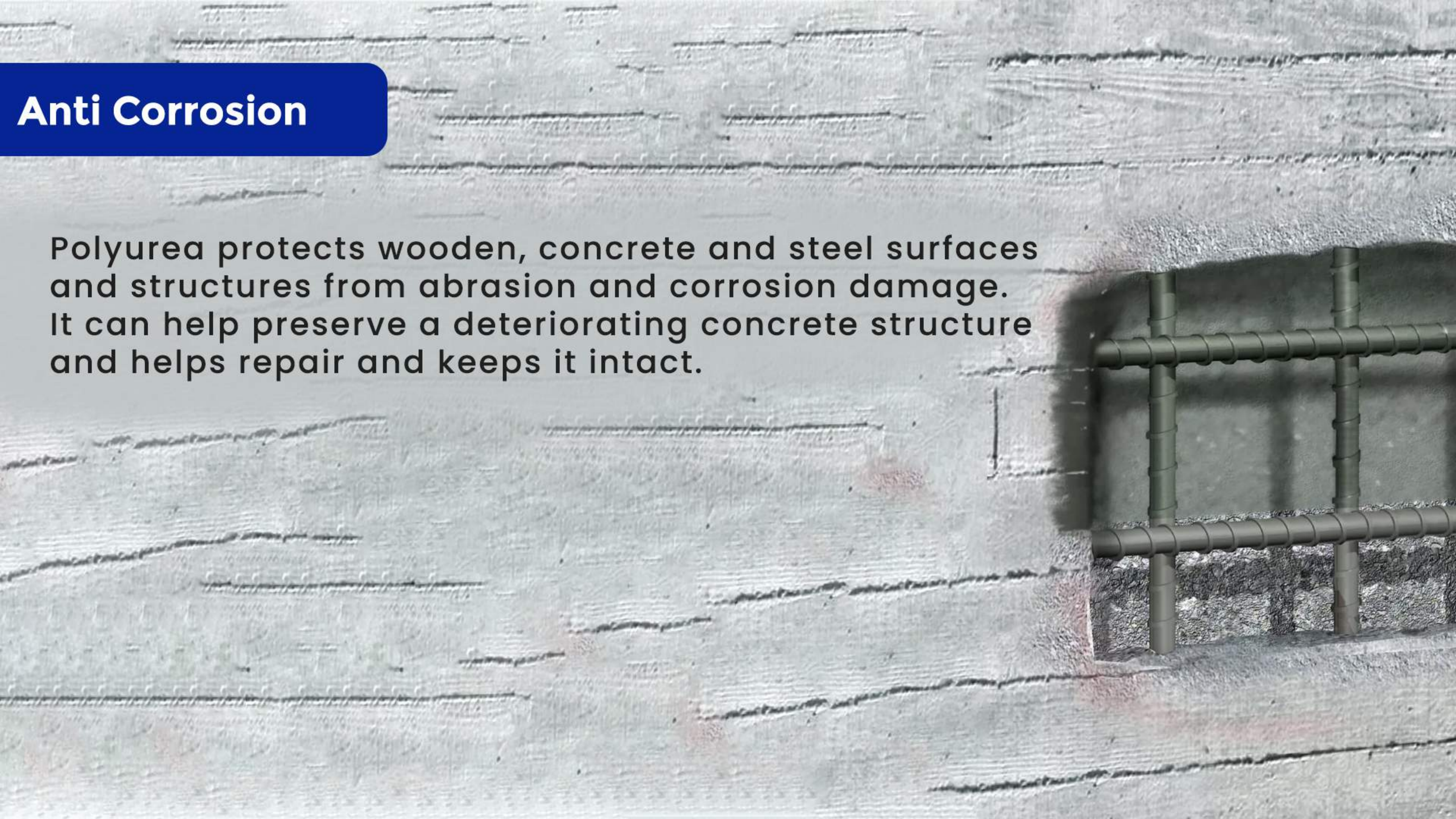
Benefits of Star Polyurea Shield



DURABILITY

Star Polyurea shield has a strong durability of 10 years. It extends the life of surface by providing protection from weathering effects and other external harmful agents.





Anti Corrosion

Polyurea protects wooden, concrete and steel surfaces and structures from abrasion and corrosion damage. It can help preserve a deteriorating concrete structure and helps repair and keeps it intact.

Protection from Corrosion

Star Polyurea coating protects substrate from



Corrosion



Chemicals



Natural
Weather



Jobsite
Elements

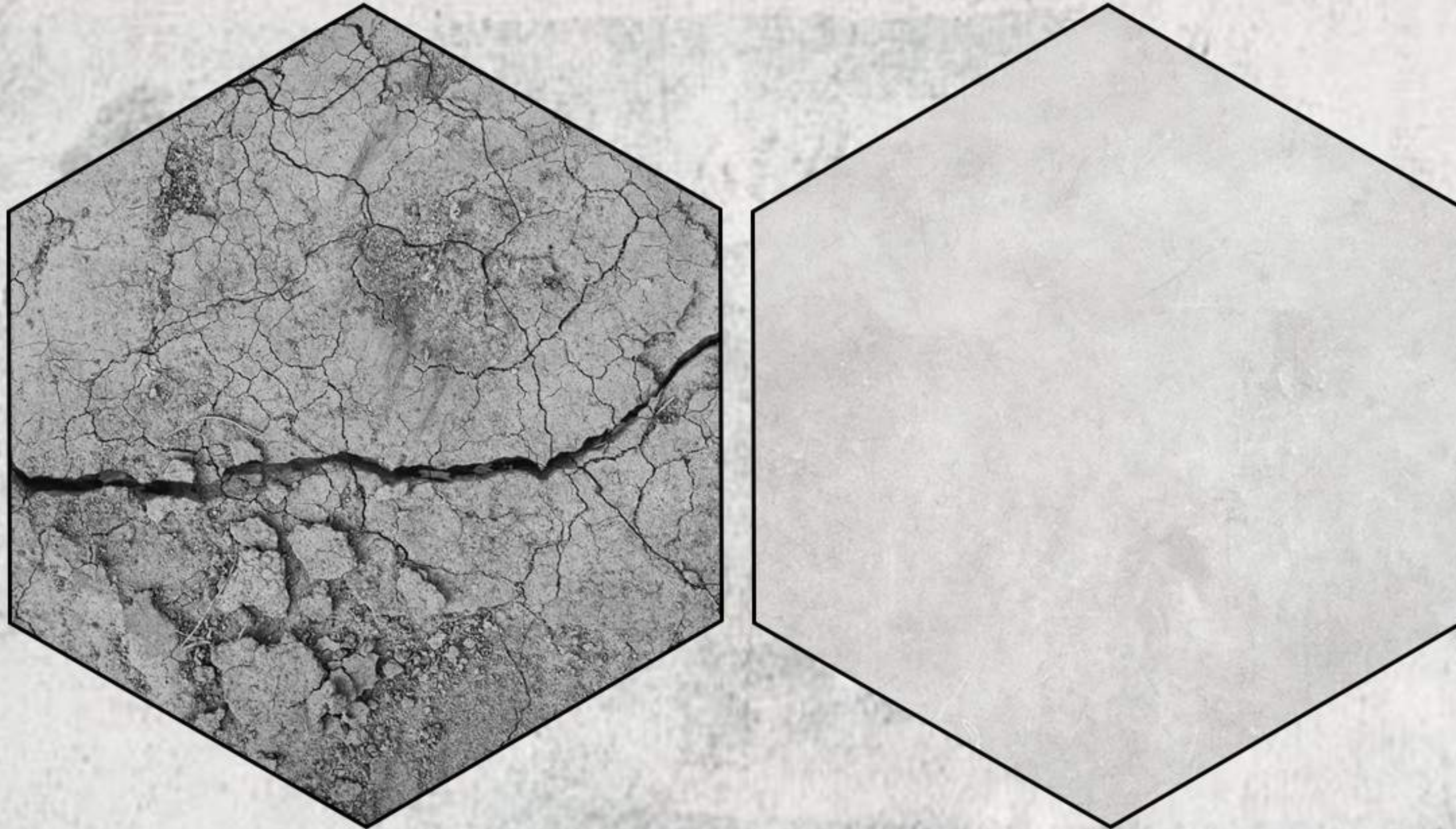
A waiting room with a light-colored floor and a dark grey wall. On the left, a large dog with brown and white patches sits near a potted plant. In the center, a zebra-shaped stuffed animal sits. To the right, three white plastic chairs and a wooden bench are arranged. The wall behind the chairs is decorated with a row of small framed photos.

UV RESISTANT AND FLEXIBLE

Star Polyurea Shield is stronger and 98% more flexible than Epoxy. It is the flexibility of the material that makes it extremely durable and long lasting. Polyurea is UV resistant, fade, or turn yellow in the sunlight.

CRACK BRIDGING

Star Polyurea shield is highly elastomeric – that is, it has a high capacity to stretch and recover. With Star Polyurea Coating the possibility of cracks is reduced greatly moreover it helps in filling the existing gaps and cracks.



Waterproofing solution

Polyurea can be used to **waterproof** both the joints and the surfaces of concrete, steel, flooring and other structures.



EXCELLENT PHYSICAL PROPERTIES

- Almost no coating can compare to Polyurea when it comes to attainable physical properties.
- Star Polurea Shield has exceptional mechanical properties like elongation, tensile strength, tear strength, abrasion resistance and crack-bridging ability



Environment friendly

- Star Polyurea Shield is solvent free, consisting of a 100% solids formula. It is environmentally friendly and possesses extreme resistance to atmospheric attack.



Durable and strong

- Star Polyurea Shield is great for extending the life of older tanks, pipes or any other structure and offers limited structural characteristics as well.



EXCELLENT ADHESION

- Star Polyurea Shield has Good adhesion to a variety of different substrates (concrete, metals, wood etc.) even under high humidity and extreme temperatures.



HOW TO APPLY

- **Hard Spray**



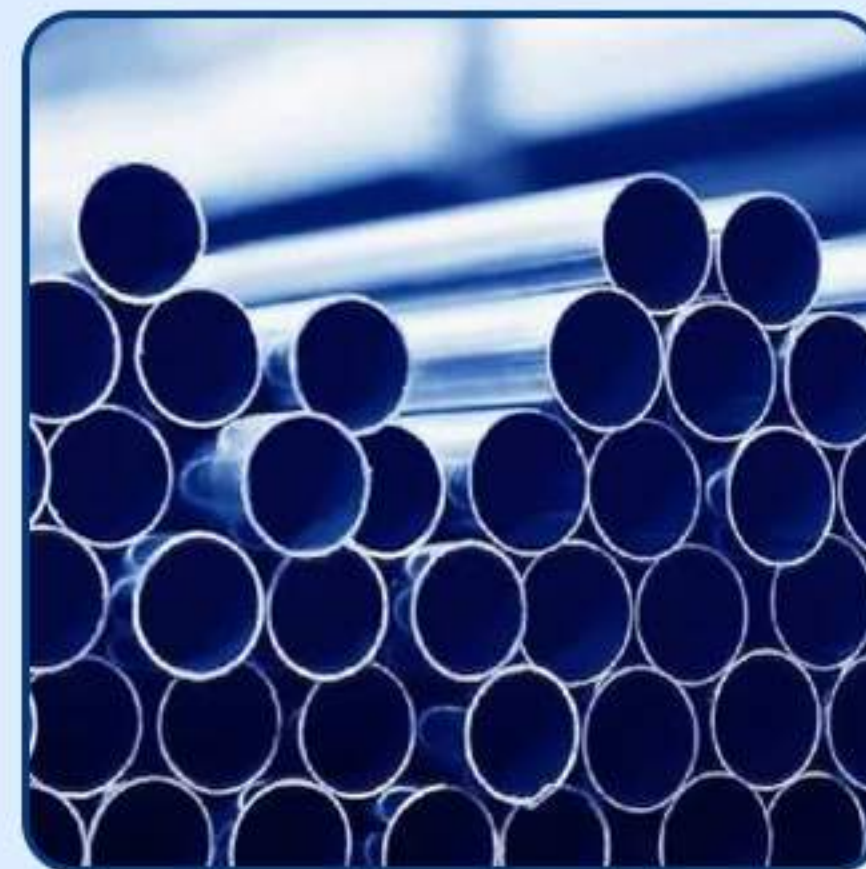
WHERE TO APPLY



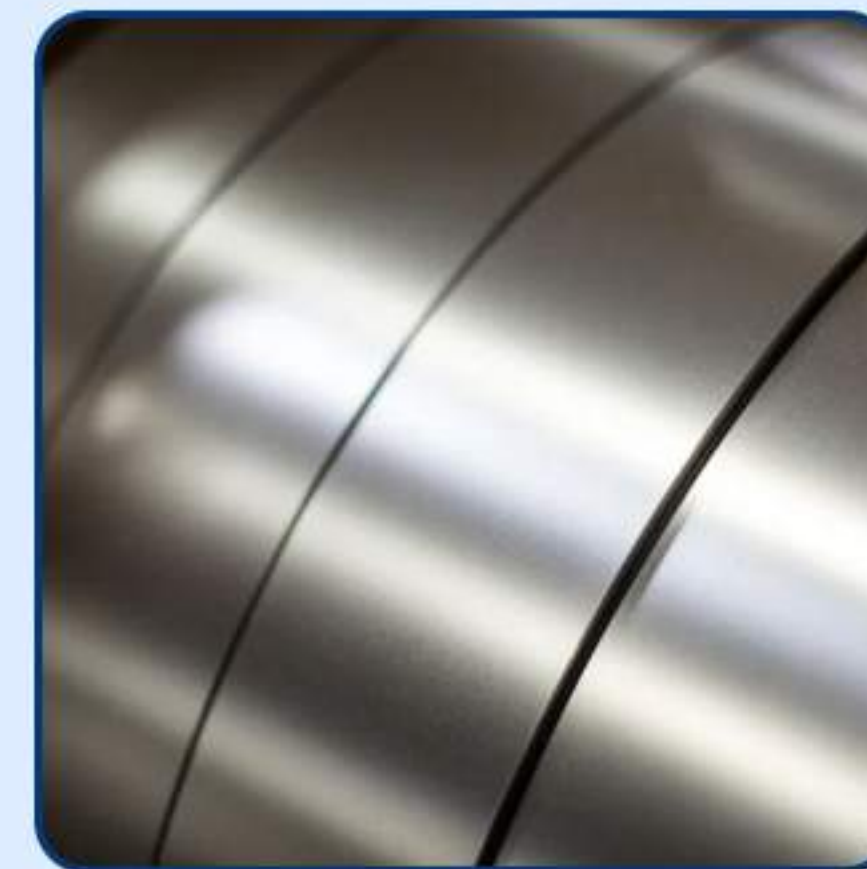
Industry applications



Industry applications



Industry applications



Steel



Wood



Concrete



Roof



Car parks & traffic areas

CERTIFICATIONS & REGISTRATIONS

 <p>Indian Green Building Council MEMBER</p>				 <p>International Organization for Standardization</p>
 <p>Top 400 Startups in India</p>				
 <p>EMPOWERING ENTREPRENEURSHIP IN UTTAR PRADESH</p>		 <p>Ministry of MSME, Govt. of India</p>	 <p>The UN Refugee Agency</p>	 <p>UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION</p>
 <p>Asian Development Bank</p>		 <p>WORLD INTELLECTUAL PROPERTY ORGANIZATION</p>	 <p>WHO-GMP</p>	 <p>AFRICAN DEVELOPMENT BANK</p>

CERTIFICATIONS & REGISTRATIONS

 CTBTO PREPARATORY COMMISSION	 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS	 UN WOMEN United Nations Entity for Gender Equality and the Empowerment of Women	 IAEA International Atomic Energy Agency	 IFAD INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT
 International Labour Organization	 International Trade Centre	 WORLD METEOROLOGICAL ORGANIZATION	 International Telecommunication Union	 OPCW
 Pan American Health Organization  World Health Organization	 United Nations Secretariat	 UNOPS United Nations Office for Project Services	 WFP World Food Programme	 World Health Organization
 WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION	 UNAIDS Joint United Nations Programme on HIV/AIDS	 UNDP United Nations Development Programme	 WORLD TRADE ORGANIZATION	 unicef United Nations Children's Fund
		 UNESCO United Nations Educational, Scientific and Cultural Organization		



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