

PERMANENT CONSTRUCTION INSULATION



Akfix®
■ MASTER OF SOLUTIONS ■

**CREATES
PERMANENT
SOLUTIONS**
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EX 1050 EXPANDABLE COATING

Expandable Pure Polyurea system that is developed as a seamless coating for waterproofing, and sealing. It expands approximately 4-5 times its original volume during the spray application and helps to fill all voids and height differences in substrates of different nature. Thanks to these features, it can be easily used on all kinds of surfaces for waterproofing and coating purposes.

- Fast reactivity and fast return to service time.
- Seamless coating.
- 100% solid, VOC free, no solvents.
- Reach 4-5 times its own volume.
- Possibility of application in desired thickness.
- Can be used on horizontal and vertical surfaces.
- Water vapor permeability.
- Excellent resistance to weather conditions.



High Expandable



Fast Curing



Excellent Mechanical Properties

Application Areas:

Waterproofing and protection membrane for concrete and metal roofs, terraces and balconies not exposed to traffic. As a surface repair and restoration layer on concrete substrates to minimize surface preparation labor prior to the application of protective membranes. Primer onto different height / uneven roofing substrates. Waterproofing exterior basements, retaining walls and foundations. As a protective coating for thermal insulation polyurethane foam products.

POLYUREA 1044 STANDARD PURE

Very fast set, 2-component, 100% solid flexible coating derived from a reaction of an isocyanate prepolymer and an amine terminated resin blend. This general purpose aromatic pure polyurea has been especially designed to protect and coat concrete, metal, wood, ceramic, geotextile surfaces.

- %100 solid, VOC free, no solvents.
- No catalyst.
- Fast reactivity and fast return to service time.
- Seamless and joint-less coating.
- Little or no odor.
- Excellent thermal stability.
- Water resistant.
- Excellent adhesion on concrete, steel, aluminum, plastics, fibers, wood, foam etc.



Very Fast Cure



Excellent Mechanical & Chemical Resistance



Excellent Structural Strength

Application Areas:

General water isolation – pools, swimming pools, ponds, membranes, waste water treatments, manholes, sewer-lining, roofs. Floors – industrial floors, hospitals, factory, auto parks, garage. Truck bed liners. Construction – roads, bridges, railways, high speed railways, tunnels, airports. Marine industry.

POLYUREA FA 1044

POTABLE WATER & FOOD CONTACT APPROVED

Very fast curing, 2-component aromatic pure polyurea system, 100% solid, flexible coating derived from a reaction of an isocyanate prepolymer and an amine terminated resin blend.

- Approved for potable water & food contact.
- Fast reactivity and fast return to service time.
- 100% solid, VOC free, no solvents.
- Environmentally friendly.
- Very good tensile and structural strength.
- Excellent chemical resistance.
- Excellent impact and abrasion resistance.
- Excellent flexibility.
- Excellent crack bridging properties.



UV Stability



High Elasticity



Excellent Solar Reflectance

Application Areas:

Potable water storage facilities and tanks. Potable water pipes. Food production and processing plants. Food storage tanks Rain storage facilities and sedimentation tanks. Filtration systems. Swimming pools and aquariums.

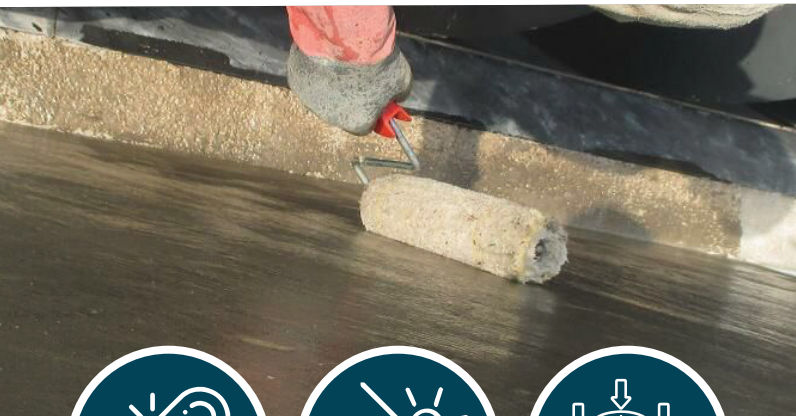
PRIMER 80

MOISTURE
TOLERANT
EPOXY PRIMER

PRIMER S80

STANDARD
EPOXY
PRIMER

- Excellent adhesion to damp concrete surfaces.
- Easy application.
- Perfect resistance to water, freeze, humidity and harsh weather conditions.
- Can be used indoor and outdoor applications.
- Economical.



**Excellent adhesion to
damp concrete surfaces**



**Interior and Exterior
Applications**



Economical

Application Areas: It can be used before polyurea, polyurethane and epoxy coating applications for humidity and water vapor prevention on damp concrete surfaces. To avoid osmosis bubbles that formed via the effect of the pressure from the negative side.

PUR 450

PU Waterproofing Membrane

One part, easy to apply, specially formulated polyurethane based, elastic, crack bridging membrane. Its performance is maintained even at low temperatures.

- Excellent Adhesion.
- Easy application.
- Can be applied interior and exterior areas.
- Crack Bridging.
- Highly elastic.
- Economical in use.
- Silk/matt appearance.
- Root penetration resistant.



Excellent Adhesion



High Elasticity



Interior and Exterior Applications

Application Areas: Seamless coating on roofs and concrete structures, which can also be used as a waterproofing membrane on non-trafficked areas. Not suitable for permanent water immersion. Can be applied on concrete, brickwork, roof tiles, roofing felt etc. For areas with specific official performance requirements, please contact us for advice on product selection.