



IMPERVIUS™ ULV PENETRATING CRACK SEALER

Description Impervius™ ULV is a Ultra Low Viscosity, solvent free, 2 component liquid polymer system, used as a penetrating crack sealer for reinforced concrete. Designed properties of surface tension and creep allow this versatile polymer to penetrate and fill cracks. Also serves as a suitable treatment prior to application of thin polymer overlays.

Use May be used as a penetrating crack sealer to penetrate, fill and seal cracks both locally or on entire surface. This prevents ingress of water and deicing chemicals through these cracks. Excellent adhesion enables it to be applied as surface treatment with aggregate as well.

Benefits Solvent free
Penetrates, fills and bonds cracked concrete
Excellent combination of surface tension and viscosity prevents running through cracks
Resilient polymer with lower modulus to accommodate minor movements
Suitable for wide range of crack widths due to its ability to fill cracks.

Data*	Property	Value	Test Method
	Gel Time (100 grams)	48-52 Minutes	ASTM C 881
	Adhesion	Concrete failure	ASTM D 4541/ ACI 503R
	Tensile Strength, 7 Days	3,100 psi Min.	ASTM D 638
	Tensile Elongation, 7 Days	30% Min.	ASTM D 638
	Surface Tension	32 Dynes/Cm	
	Compressive Strength, 7 Days	5500 psi Min.	ASTM D 695
	Hardness Shore D	65 Min	ASTM D 790
	Water Absorption, 24 hrs.	1% Max	ASTM D 570

** Samples cured at 77 °F . Results can vary and depend on mixing method, equipment, curing conditions, test equipment, sample handling, sample conditioning, consistency and technicians.*

Packaging Mix Ratio: 2 Volumes Part A: 1 Volume Part B
5 Gallon pails: 15 gallon unit
50 Gallon drum: 150 Gallon unit
250 Gallon IBC also available

Limited Warranty: P3 warrants this product to be free of any defects resulting from its design and manufacturing. All warranty claims shall be submitted in writing to P3 immediately upon discovery or before expiration of shelf life of product. Remedy is limited to replacement of materials purchased. P3 disavows any other representation or warranty, express or implied, or liability relating to the condition or use of the product and in no event shall P3 be liable to user or any third party for any direct or indirect consequential or incidental damages.

To Apply

Surface Concrete - Shotblast clean to remove contaminants. Remove loose debris by vacuum or blow with dry compressed air. Sandblast where shotblasting is not possible. Use compressed air to remove lodged debris in cracks to open pathway for resin to penetrate.

Mixing **Manual:** Measure the two components separately; Part A and Part B according to mix ratio by volume (2A:1B) in containers free of moisture, debris, solvents or any contaminants. Pour into a clean mixing container, thoroughly mix ensuring no unmixed material remains. Time of mixing will vary with batch size and temperatures. It is not recommended to mix more than 15 mixed Gallons at any one time. Working time is reduced due to exotherm. Pour immediately on surface and spread using roller or squeegee. Broadcast aggregate if no subsequent layers are to be applied. Apply subsequent layers while ULV is still wet or tacky.

Mechanical: Volumetric, positive displacement measuring, mixing and dispensing equipment may be used. Equipment shall be capable of conditioning components stored in independent tanks and consistently measure, mix and dispense liquid to be spread on surface manually or mechanically. Broadcast aggregate if no subsequent layers are to be applied. Apply subsequent layers while ULV is still wet or tacky.

Aggregate Choice of aggregate shall be determined by desired aesthetics, wear, polish and fracture resistance. Recommended aggregates may be angular basalt, granite, flint and bauxite. Angularity will vary with intended use. Selected aggregate shall be washed, dried and free of moisture when broadcast or mixed into the liquid polymer.

Limitations Do not dilute with solvents. Will impede proper cure and performance
Do not apply if moisture is visible on surface and application areas
Minimum ambient and surface temperature is 40°F

Caution Part A: Contains Epoxy Resin. Skin and eye irritant. Prolonged contact can cause sensitization.
Part B: Contains Amines. Skin and eye irritant. Can cause severe burns when in contact with skin and eyes. Use proper clothing and respirators. **Consult Safety Data Sheet for details.**

First Aid Remove contaminated clothing. Wash thoroughly with water and soap. If contact with eyes, irrigate with water for 15 minutes and consult physician. Remove to ventilated area. If ingested, do not induce vomit, seek medical attention immediately. **Consult Safety Data Sheet for details.**

Keep out of reach of children. Not for internal consumption. For industrial use only. Keep containers properly closed.

All information and recommendations provided by P3 are in good faith based on P3 current knowledge and experience of its products when handled properly and according to P3 instructions. P3 assumes no responsibility of factors outside of its control that would impact result and behavior of P3 products. User of P3 products must test these products for suitability for the intended application and purpose. P3 reserves the right to change properties of its products without notice. Please read P3 product Safety Data Sheet entirely and thoroughly prior to using P3 products. It is intended for your safety. Use proper Personal Protective Equipment per Safety Data Sheet. Per EPA Method 24 40 CFR Appendix A, VOC<150 mg/L
