



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

PC-GROUT IV
*Hydrophobic Polyurethane
Water Cut-Off Polymer*

DESCRIPTION

PC-GROUT IV is a two component moisture cured polymer which reacts with water to form a strong, rigid, closed cell foam of hydrophobic polyurethane. It is designed as a water cut-off and to fill large voids and cracks in stone or concrete.

FEATURES

- ❖ Stops Wash-out Through Joints
- ❖ Prevents Water Infiltration

TYPICAL USES

- ❖ Pipes
- ❖ Tunnels
- ❖ Subways
- ❖ Reservoirs
- ❖ Soil Stabilizer
- ❖ Remedial Water Stop
- ❖ Sewers
- ❖ Seawalls
- ❖ Manholes
- ❖ Slurrywalls
- ❖ Tieback Anchors
- ❖ Sub-Grade Structures

PACKAGING

5½ gallon kit: One 5 gallon pail of PC-GROUT IV Part-A and one ½ gallon container of PC-GROUT IV Catalyst Part-B.

MIXING

The volume mixing ratio is 10 parts Part-A to 1 part Part-B.

Before application, pre-mix Part-A and Part-B. All equipment used to mix the material must be dry to prevent the PC-GROUT IV from reacting. Mix Part-A and Part-B together in a ratio of 10A: 1B and place it in the injection pump or pour it directly into the joints.

Since the PC-GROUT IV mixture will only activate when mixed with water it does not need to be used immediately. However, the surface may harden which will then need to be removed before the unhardened material may be used normally.

CURING

The PC-GROUT IV foam hardens in approximately 3 minutes at 68°F (20°C).

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

PC-GROUT IV has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

Refer to general guidelines for more information.

TECHNICAL DATA

Appearance,	
Part-A	Dark Brown
Part-B	Clear
Density ASTM D-1638,	
Part-A	9.3 lb/gal
Part-B	8.35 lb/gal
Flash Point, ASTM D-93,	
Part-A	356°F (180°C)
Part-B	101°F (38°C)
Viscosity, ASTM D-1638,	
Part-A	150 ± 40 cps
Part-B	20 ± 5 cps
Mixing Ratio by Volume	10A : 1B
Solubility in water	Not Soluble
Expansion	1500-1800%
Induction time, approximately	20-30 seconds
Gel time, approximately	2-3 minutes
Corrosiveness	Non Corrosive

WARNING

This product contains Isocyanates.

PC-GROUT II Catalyst is considered Dangerous Goods. DOT regulations classify it as: **Corrosive Liquid, N.O.S. (Contains Amine), Class 8, UN 1760, PG III.**

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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