



**TURBO LINER
PRODUCTS INC.
1 W. CAMERON
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DESCRIPTION

Poly-Caulk® 80 is a two component aromatic, 1:1 ratio, rapid setting, self leveling, 100% solids polyurea.

FEATURES

- ❖ 100% Solids Meets VOC Regulations
- ❖ Down Time 30-90 minutes
- ❖ Meets USDA Criteria
- ❖ Remains Flexible, Even In Cold Temperatures
- ❖ Meets California VOC and AQMD Requirements
- ❖ Flexible
- ❖ Odorless
- ❖ Non Toxic

USES

Poly-Caulk® 80 is used on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

- ❖ Food Processing Plants
- ❖ Bridge Headers
- ❖ Freezers and Cold Storage
- ❖ Waste Water Treatment Plants
- ❖ Parking Garage Decks
- ❖ Industrial/Manufacturing Facilities
- ❖ Airports
- ❖ Spalls
- ❖ Truck Aprons
- ❖ Grade Matching
- ❖ Saw/Utility Cuts

COLORS

Concrete Grey

PACKAGING

10 gallon kit: One 5 gallon pail of Side-A and one 5 gallon pail of Side-B.

100 gallon kit: One 55 gallon drum (net 50 gallons) of Side-A and 55 gallon drum (net 50 gallons) of Side-B.

COVERAGE RATES LF/Gallon

		Width of Joint						
		¼"	⅜"	½"	⅝"	¾"	⅞"	1"
Depth of Joint	¼"	308	205	154	123	102	88	77
	⅜"	205	136	102	82	68	58	51
	½"	154	102	77	61	51	44	38
	⅝"	123	82	61	49	41	35	30
	¾"	102	68	51	41	34	29	25
	⅞"	88	58	44	36	29	25	22
	1"	77	51	38	30	25	22	19

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish his own factors for loss from experience.

TURBO LINER POLY-CAULK 80
*100% Solids Self-Leveling
Polyurea Caulking Compound*

TECHNICAL DATA

Specific Gravity	
Part-A	1.09
Part-B	1.08
Viscosity at 80°F	
Part-A	430 cps
Part-B	550 cps
Gel Time @ 75°F, ASTM D-2471	50 seconds
Shore A hardness, ASTM D-2240	80 ± 2A
Tensile Strength, ASTM D-412	3000 ± 400 psi
Elongation, ASTM D-412	575 ± 50%
Tear Strength, ASTM D-624	343 pli

SURFACE PREPARATION

Allow concrete to cure 28 days before installation.

Saw cut the joint to ACI Recommendations.

All joints must be clean and dry prior to installing Poly-Caulk® 80.

If joint is damp, dry with heat torch.

Remove all dust from the concrete pores prior to installing Poly-Caulk® 80.

If backer rod is used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

Construction joints are to be filled to full depth using no backer rod or silica sand.

To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1½" from the joint and a minimum of ½" deep.

For random crack and spall repairs each side of the crack should be cut to create a minimum ½" deep vertical edge.

Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

APPLICATION

For best results machine dispense using a 1:1 ratio pump, with or without heater as required.

This material can be applied at temperatures from -0°F (-1.8°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F prior to use.

FINISHING

After applying Poly-Caulk® 80 wait 60-90 minutes.

Slice off any overpour flush to grade.

Open to traffic once Poly-Caulk® 80 has set.

Surface can be utilized within 90 minutes of application.

CLEAN UP

Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE

Poly-Caulk® 80 should be stored at room temperature, 60-90°F (15-35°C).

Poly-Caulk® 80 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING

This product contains Isocyanates and Curatives.

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 Turbo Liner Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Turbo Liner Products warrants its products to be free of manufacturing defects and that they will meet Turbo Liner Products current published physical properties. Turbo Liner Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Turbo Liner Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) years. 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 Turbo Liner Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Turbo Liner 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. Turbo Liner 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. Turbo Liner 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.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Turbo Liner Products makes no claim that these tests or any other tests, accurately represent all environments.
