



**TURBO LINER
PRODUCTS INC.
1 W. CAMERON
KELLOGG, ID 83837**

TURBO LINER CAULK® HM
*100% Solids Self-Leveling
Polyurea Caulking Compound
Technical Data Sheet*

DESCRIPTION

Turbo Liner Caulk® Hand-Mix is a two component, modified aliphatic, rapid setting, self-leveling, 100% solids polyurea caulking compound.

FEATURES

- ❖ 100% Solids
- ❖ Meets USDA Criteria
- ❖ Remains Flexible, Even In Cold Temperatures
- ❖ Meets California VOC and AQMD Requirements
- ❖ Flexible
- ❖ Odorless

USES

Turbo Liner Caulk® HM is for small repairs 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 Grey

PACKAGING

1 gallon kit: One 1 gallon can (net fill 0.875 gallons) of Side-A and One 1 pint can (net fill 0.125 gallons) of Side-B.

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 Turbo Liner Caulk® HM.

If joint is damp, dry with heat torch.

Remove all dust from the concrete pores prior to installing Turbo Liner Caulk® HM.

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

MIXING

Turbo Liner Caulk® HM may not be diluted under any circumstance.

Pre-mix Turbo Liner Caulk® HM Side-B material before combining with Side-A. Side-A material requires no mixing.

Add Side-A to Side-B while mixing, using a mechanical mixer at slow speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains.

TECHNICAL DATA (Based on draw down film)

Mix Ratio by Volume	7A : 1B
Hardness, ASTM D-2240	80 ± 4 Shore A
Elongation, ASTM D-412	600 ± 50%
Tensile Strength, ASTM D-412	2000 ± 200 psi
	13.8 ± 1.4 MPa
Gel Time at 75°F (24°C), ASTM D-2471	4-5 minutes
Tear Strength, ASTM D-624	425 ± 50 pli
	74.5 ± 8.8 kNm
Total Solids by Weight, ASTM D-2369	100%
Total Solids by Volume, ASTM D-2697	100%

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION

NOTE: Turbo Liner Caulk® HM may not be diluted under any circumstances. Proportions are premeasured.

Turbo Liner Caulk® HM can be applied at ambient temperatures from 32°F (0°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 Turbo Liner Caulk® HM, wait 4-5 hours, depending on temperature and humidity before opening to traffic. Slice off any overpour flush to grade.

CLEANUP

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

Turbo Liner Caulk® HM should be stored at room temperature, 60-95°F (15-35°C).

Turbo Liner Caulk® HM has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

Do not dilute Turbo Liner Caulk® HM under any circumstances.

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

LIMITED WARRANTY

Turbo Products warrants its products to be free of manufacturing defects and that they will meet Turbo Products current published physical properties. Turbo Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Turbo 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 Turbo 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 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 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 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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