



Product Description

Poly-Caulk® HM (Hand-Mix) is a two component, modified aliphatic, rapid setting, self-leveling, 100% solids polyurea-caulking compound.

Features

- 100% Solids
- Flexible
- Meets UDSA Criteria
- Remains Flexible, Even In Cold Temperatures

Typical Uses

Poly-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.

- Airports
- Bridge Headers
- Freezers & Cold Storage
- Grade Matching
- Industrial Facilities
- Manufacturing Facilities
- Parking Garage Decks
- Truck Aprons
- Warehouses
- Wastewater Treatment Plants

Packaging

1-Gallon kit One 1 gallon can (net fill 0.875 gallons or 3.31 liters) of Side-A and One 1 pint can (net fill 0.125 gallons or 0.47 liters) of Side-B

Color

Gray

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® HM.

If joint is damp, dry with heat torch.

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

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

Mixing

Poly-Caulk® HM may not be diluted under any circumstance.

Pre-mix Poly-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

Technical Data (Based on Draw Down Film)

Mix Ratio by Volume	7A : 1B
Hardness, ASTM D2240	80 ± 5 Shore A
Tensile Strength, ASTM D412	2000 ± 200 psi 13.8 ± 1.4 MPa
Elongation, ASTM D412	600 ± 50%
Gel Time at 75°F (24°C), ASTM D2471	4-5 minutes
Tear Strength, ASTM D624	425 ± 50 pli 74.5 ± 8.8 kN/m
Total Solids by Weight, ASTM D2669	100%
Total Solids by Volume, ASTM D2697	100%

attained (at least 5 minutes).

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

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

Do not mix in an up and down motion.

Application

Poly-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 (22-25°C) prior to use.

Finishing

After applying Poly-Caulk® HM, wait 4-5 hours, depending on temperature and humidity before opening to traffic.

Slice off any over pour flush to grade.

Cleanup

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

Storage

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

Poly-Caulk® HM has a shelf life of 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 Poly-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.



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