



# Helix<sup>®</sup> MAX

## Low-Rise Adhesive — Dual Tank



The Right Choice for Low-Slope Roofing Products

800-786-1492 • [mulehide.com](http://mulehide.com)

Rugged • Time Tested • Weather Tested

### Product Description

Helix<sup>®</sup> MAX Low-Rise Adhesive-Dual Tank ("Helix Max Adhesive") is a low-rise, construction-grade, two-component polyurethane adhesive that is designed to bond MuleHide's insulations and Fleece Back (TPO, PVC or PVC KEE HP) membranes to a variety of substrates. FM and other agency approvals have been achieved over a variety of deck types and substrates.

The tanks feature an HFO (hydrofluoroolefin) blowing agent. HFOs are the next-generation blowing agents; they are not only the most environmentally friendly option available, but also provide significantly enhanced performance compared to their hydrofluorocarbon (HFC) predecessors.

### Benefits & Supplemental Statements

- VOC-free, self-contained system.
- HFO Blowing Agent
  - The most environmentally friendly option available. Low global warming potential (GWP) and zero ozone depleting particles (ODPs).
  - Easier, more consistent splatter application.
  - Coverage rate is greater than that of other canister-based insulation and membrane adhesives.
  - Improved and more obvious string time. The open window for installation is longer than that provided by adhesives using HFC blowing agents.
  - Improved rise and cell structure.
  - Can be used at higher elevations.
- Goes on up to 15% faster compared to application with low-pressure dispensing machines.
- Superior wind uplift performance.
- Puncture-resistance is 33% to 50% greater than competitive two-component low-rise adhesives.
- Elongation of up to 150%.



### Packaging:

- **HFO Part A Box** includes Part A Tank, gun assembly, petroleum jelly packet, wrench, 10 tank static mix tips, 10 tip extensions, instruction sheet.
- **HFO Part B Box** includes Part B Tank

### Code Approvals/Compliance:

- FM Approved
- UL Listed
- Miami Dade County Approved
- Meets or exceeds

Florida Building Code requirements

### Coverage Rates

| Bead Spacing   | Splatter  | 4" O.C.   | 6" O.C.   | 12" O.C.  |
|----------------|-----------|-----------|-----------|-----------|
| HFO Dual Tanks | 26-28 sq. | 11-13 sq. | 17-19 sq. | 35-37 sq. |



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## Low-Rise Adhesive — Dual Tank

Used as a component within these systems:

EPDM

TPO

PVC

Mod Bit

### Frequently Asked Questions

#### 1. What is the purpose of a blowing agent?

The blowing agent creates a foaming process that gives a low-rise adhesive, like Helix Max, its cell structure.

#### 2. Why has MuleHide switched to the new HFO blowing agent?

HFO blowing agents are better for the environment, and the new formula performs better.

HFC blowing agents have high global warming potential (GWP), while HFO blowing agents have low GWP. The switch from HFCs to HFOs is a vital step in minimizing the climate impact of the roofing industry. Several states in the United States, and all 10 Canadian provinces, have implemented regulations requiring the use of HFO blowing agents in pressurized two-part urethane foams and adhesives. It is expected that similar regulations will be implemented across most of the United States in the coming years. The new formula of Helix Max Low-Rise Adhesive — Dual Tank complies with these regulations.

The switch to an HFO blowing agent in Helix Max Low-Rise Adhesive — Dual Tank also has significantly improved the adhesive's performance. The coverage rate is greater than that of other canister-based insulation and membrane adhesives. The open window is also longer than that of the HFC formula. And it delivers a more consistent splatter application pattern.

#### 3. Will MuleHide continue to offer Helix Max Low-Rise Adhesive — Dual Tank with the HFC blowing agent?

No. All Helix-Max Low-Rise Adhesive — Dual Tank produced after Jan. 1, 2021 will have the HFO blowing agent.

#### 4. Has a different tip been introduced for use with the new HFO formula?

Yes. The new HFO formula comes with a new tip. It has a fan nozzle that produces a better splatter pattern.

#### 5. Can Part A with the new HFO blowing agent be used with Part B with the previous HFC blowing agent? Can Part A with the previous HFC blowing agent be used with Part B with the new HFO blowing agent?

No. The blowing agents cannot be mixed. Tank A and Tank B must have the same blowing agent. As a safeguard against mixing the blowing agents, the threads on the tanks and hose ends have been changed so that cross-utilization is not possible.



HFC Bead

HFO Bead



HFC String

HFO String

The information herein should not be considered all-inclusive and should always be accompanied by a review of the MuleHide specifications and guidelines and good application practices.

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