

# MILLENNIUM HURRICANE FORCE®

## Universal Sealer



### Description

Millennium Hurricane Force® Universal Sealer is a fast setting, solvent free, multi-use universal sealer that becomes waterproof within minutes of application.

### Basic Use

Millennium Hurricane Force® Universal Sealer is a multi-purpose sealer that finds application in:

- Filling penetration pockets and Millennium Lockin' Pockets®
- Repairing splits, cracks, holes, and other membrane defects
- Attaching lightning protection
- Repairing shingles
- All purpose sealing.

Millennium Hurricane Force® Universal Sealer eliminates the need for asphalt kettles and solvent based cements.

In addition, the low odor, quick setting, solvent free formula offers significant advantages over high odor, slow setting, solvent based adhesives.

Hurricane Force® Universal Sealer is designed for use in all temperatures.

### Approved Substrates

- Structural roof decking: concrete, gypsum, cementitious wood fiber, wood, steel or lightweight insulating concrete
- Base sheets
- Granule surfaced modified bitumen membranes
- Smooth built-up roof surface (re-roof applications)
- Gravel surfaced built-up roofs
- EPDM
- TPO

For a complete list of approved substrates, or for additional information, contact our Technical Department.

### Safety

Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

### Limitations

Do not apply to wet or damp surfaces.

Not intended for insulation attachment.

### Equipment

The fast and dependable One Step™ applicators make applying Millennium Hurricane Force® Universal Sealer simple:

- Battery Powered Single Bead
- Pneumatic Single Bead.

### Storage

Keep temperature of contents between 65°F-85°F (18-29°C) 24 hours prior to use.

Do not store in direct sunlight or temperatures higher than 90°F (32°C).

Features	Benefits
<b>Ready to use</b>	Requires no mixing, reduces labor costs
<b>No temperature restrictions</b>	Fast curing even in cold climates
<b>One Step™ technology</b>	Easy to apply
<b>Solvent free</b>	VOC free, no odors
<b>Elastomeric</b>	Remains flexible, absorbs stresses

## Application

1. With a utility knife, remove the molded tips at the groove from the One Step™ mixing head.
2. Attach a One Step™ mixing nozzle to the threaded mixing head.
3. Place the cartridge into the appropriate One Step™ applicator.
4. Dispense an initial amount of Millennium Hurricane Force® Universal Sealer into a waste container to ensure a proper mix, then discard.
5. Apply Hurricane Force® Universal Sealer directly to the substrate. If needed, use a small trowel to work the material into the required opening or defect.
6. When used as a penetration pan filler: when filling the Millennium Lockin' Pocket® with Hurricane Force® Universal Sealer, the entire pocket must be filled, no grouts or fillers will be accepted. Approved pitch pans must be filled with a minimum of 5.1 cm of Hurricane Force® Universal Sealer and in accordance with all of Pluvitec Roofing Products' current application instructions. However, should a filler be utilized, the material must be installed according to the manufacturer's written guidelines. The filler should always be allowed to dry completely and any dust or residue from the filler should be wiped with a damp rag from the penetration and inside walls of the penetration pocket to ensure proper adhesion.
7. Unused material can be applied at a later date by simply plugging the cartridges (with provided half moon plugs) and using a new One Step™ mixing nozzle.

## Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. For applications on granule surfaced modified bitumen membranes, remove all loose granules from the surface of the membrane prior to installing Millennium LPS.

When Hurricane Force® Universal Sealer is to be used in a Lockin' Pocket® installed on a single ply membrane, the surface of the membrane must be prepared according to the single ply manufacturer's recommendations.

As a general guideline the following methods of surface preparation shall apply:

- EPDM: clean with splice wash or surface cleaner and prime.
- TPO: clean with surface cleaner and prime.
- Gravel BUR's: remove gravel surfacing down to plies.

For applications over existing weathered asphalt or coal tar pitch BUR, apply Millennium Universal Primer prior to the application of Hurricane Force® Universal Sealer.

For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film membranes, apply Millennium Surface Treatment prior to the application of Hurricane Force® Universal Sealer.

## Packaging and Coverage

Millennium Hurricane Force® Universal Sealer is available in the following package:

1.5 L cartridge

4 cartridges per box

Each cartridge will produce approximately 38-46 m of a 1.3 cm wide bead.

When used as a penetration pan filler, one case of four (4) cartridges will yield approximately 6014 cm<sup>3</sup> of filler.



CAUTION: All statements and technical information in this document are based on tests or data that PLUVITEC believes is reliable. However, PLUVITEC does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of PLUVITEC's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of PLUVITEC's product with the design, structure, and materials of the user's end product and the suitability of PLUVITEC's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.