

**PENETRATION SEALING SYSTEMS**

# Millennium Hurricane Force® Universal Sealer Xtreme



**DESCRIPTION**

Millennium Hurricane Force® Universal Sealer Xtreme is a fast setting, solvent free, multi-use universal sealer that becomes waterproof within minutes of application. The formula is essentially VOC-free making it approved for use in regulated markets such as California and the OTC states. Millennium Hurricane Force® Universal Sealer Xtreme is a two-component product that cures via a chemical cross-linking mechanism. Unlike one-part moisture cure sealants, Universal Sealer Xtreme will cure consistently and quickly throughout, rather than simply skinning over and remaining tacky on the inside.

The enhanced formulation of Millennium Hurricane Force® Universal Sealer Xtreme delivers a tough, strong, cured material that withstands the most extreme roof-top conditions. Under severe tensile and shear forces typically experienced on commercial roof installation, Millennium Hurricane Force® Universal Sealer Xtreme provides long-term robust performance.

With a quick tack-free and cure time, Millennium Hurricane Force® Universal Sealer Xtreme provides peace of mind that the roof penetration is fully cured and sealed literally within minutes of filling the pocket. Precision in-line mixing during dispensing starts the curing process immediately and the reactive/curing process is consistent across a wide temperature range even in humid conditions.

Millennium Hurricane Force® Universal Sealer Xtreme offers very aggressive bonding properties to a wide-range of penetrations including steel, galvanized metal, copper and PVC. The aggressive bonding properties reduce the risk of delaminating from these demanding substrates even under fluctuating thermal and environmental changes experienced on the typical commercial roof.

**BASIC USE**

Millennium Hurricane Force® Universal Sealer Xtreme is designed for use as an adhesive for bonding approved base sheets, vapor retarders and roof membranes to approved substrates. Millennium Hurricane Force® Universal Sealer Xtreme is ideal for applications where hot asphalt or solvent based cold process adhesives cannot be used. Millennium Hurricane Force® Universal Sealer Xtreme can also be used to adhere roof pedestals to SBS roof membrane.

**APPROVED SUBSTRATES**

- Concrete
- Steel
- Gravel surfaced built-up roofs
- Base sheets ( sanded or smooth surfaced)
- Smooth built-up roof surfaces
- Modified Bitumen (sanded or granule surfaced only)
- Metal panels
- EPDM
- TPO

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

**FEATURES**

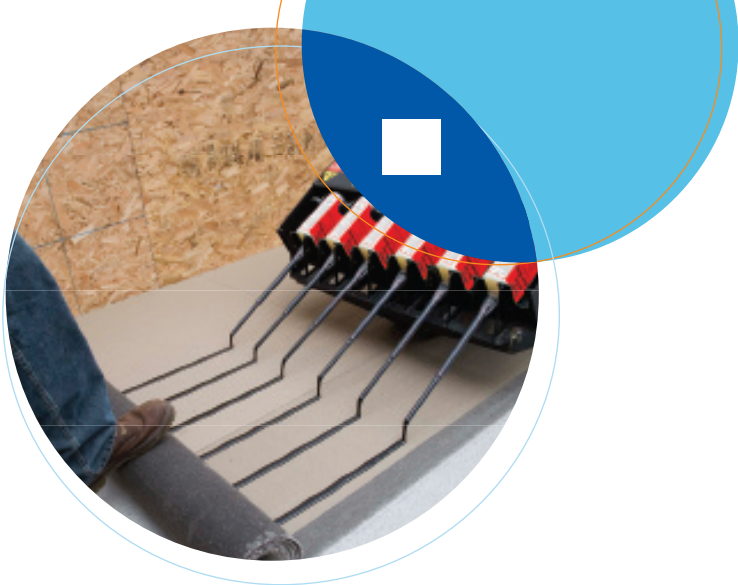
**BENEFITS**

<b>Ready to use out of the box</b>	<b>Requires no messy premixing, reduces labor costs</b>
<b>Elastomeric, resilient material remains flexible</b>	<b>Robust performance under tensile and shear forces</b>
<b>Less sensitivity to environmental conditions</b>	<b>Excellent performance in hot, humid or cold temperatures</b>
<b>Solvent free, essentially VOC free</b>	<b>Suitable for use in VOC regulated regions</b>
<b>Excellent flow and self-leveling characteristics</b>	<b>Fills corners and crevices evenly without manual troweling</b>

 **WARNING!**

This product can expose you to Diisodecyl phthalate (DIDP) which is known to the State of California to cause reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CAUTION: All statements and technical information in this document are based on tests or data that H.B. Fuller believes is reliable. However, H.B. Fuller 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 H.B. Fuller's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of H.B. Fuller's product with the design, structure, and materials of the user's end product and the suitability of H.B. Fuller's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.



## 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. **IMPORTANT!: Dispense an initial amount of Millennium Hurricane Force® Universal Sealer Extreme into a waste container to ensure a proper mix, then discard.**
5. Apply Hurricane Force® Universal Sealer Extreme directly to the substrate. If needed, use a small trowel to work the material into the required opening or defect. **CAUTION!: All substrates must be completely dry prior to the application of sealer.**
6. When used as a penetration pan filler: When filling the Patented Millennium Lockin' Pocket®\* with Hurricane Force® Universal Sealer Extreme, the entire pocket must be filled, no grouts or fillers will be accepted. Approved pitch pans must be filled with a minimum of 2" (5.1cm) of Hurricane Force® Universal Sealer Extreme and in accordance with all of H.B. Fuller's current application instructions. Penetrations must be prepared by wire brushing to remove loose cements, residual sealer, rust, or other contaminants. If pocket or penetration is damp prior to application, thoroughly dry or wipe with a solvent wipe or primer wipe and allow to dry before adding sealant.
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.

## SAFETY

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

## STORAGE

Keep temperature of contents between 65°F-85°F (18°C-29°C) 24 hours prior to use. Do not store in direct sunlight or temperatures higher than 90°F (32°C).



## 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 Extreme 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 with manufacturer's EPDM primer
- 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 Extreme. 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 Extreme.

## LIMITATIONS

- Do not apply to wet or damp surfaces.
- Not intended for insulation attachment.
- Not to be used with torch down membranes or membranes with plastic films.

## EQUIPMENT

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

- Millennium One Step™ Battery Powered Applicator
- Millennium One Step™ Pneumatic Single Bead Applicator

## PACKAGING AND COVERAGE

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

Cartridge Size	Part #	Cartridges/Case
1.5 Liter	HF-UX15-04	4

When used as a penetration pan filler, one case of four (4) cartridges will yield approximately 367 cubic inches of filler.

\*CA 2,546,049 C

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