



Master Format: 07 14 00

SEPTEMBER 2025

HYDROWRAP PUMA FLASHING

Flashing and Detailing Membrane System

DESCRIPTION

HYDROWRAP PUMA FLASHING is a rapid-curing, liquid-applied PUMA-based flashing and detailing membrane. The PUMA technology allows for quick curing, even in temperatures below freezing.

HYDROWRAP PUMA FLASHING is mixed with HYDROWRAP CATALYST at various quantities depending on the ambient temperature to generate a rapid cure down to 15° F (10° C). Please contact W. R. MEADOWS when installing under 40° F (4° C). Please reference HYDROWRAP PUMA FLASHING INSTALLATION GUIDE for complete installation and mixing instructions.

USES

HYDROWRAP PUMA FLASHING provides protection against water infiltration in critical detail areas, such as deck-to-wall intersections, corners, wall-to-wall tie-ins, cracks, joints, and penetrations in both concrete decks and roofing elements. This system will protect the concrete from the damaging effects of chloride, deicing salts, chemicals, gasoline, oils, and anti-freeze. The product can be used on concrete, metal, and exterior-grade wood substrates.

HYDROWRAP PUMA FLASHING is intended for use with HRM 714 hot-applied waterproofing membrane along with the MEL-ROL® line of membranes from W. R. MEADOWS. In addition, HYDROWRAP PUMA FLASHING is also designed for use with MEL-DEK™, HYDRASTOP™ SA, HYDRALASTIC™ 836, HYDRALASTIC 836 SL, and VERTIBARRIER NS waterproofing membranes from W. R. MEADOWS.

This product is chemically compatible with AIR-SHIELD™, AIR-SHIELD LMP, AIR-SHIELD TMP, AIR-SHIELD LSR, AIR-SHIELD LIQUID FLASHING, AIR-SHIELD BUTYL FLASHING and BEM termination sealant from W. R. MEADOWS.

FEATURES/BENEFITS

- PUMA technology delivers high durability with crack-bridging capability.
- Eliminates the need for fabric reinforcement.
- Rapid set-up times for quick overall installation
- Traffic safe after one hour.
- Application temperatures down to 15° F (-10° C)*
- Zero Volatile Organic Content (VOC).

*Please contact W. R. MEADOWS when installing under 40° F (4° C).

PACKAGING

4.68 Gal. (17.69 L) Pails [44 Lb. (20 Kg)]

COVERAGE

Approximate coverage per 1 gal. (3.78 L):

26 ft. ² (2.4 m ²)	60 mils (dry)
17.5 ft. ² (1.6 m ²)	90 mils (dry)
13 ft. ² (1.2 m ²)	120 mils (dry)

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40 - 80° F (4 - 26.6° C), shelf life is one year from date of manufacture.

SPECIFICATIONS/STANDARDS

- Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, LADCO, SCAQMD, and OTC Phase I and II.

TECHNICAL DATA

@ 75° F (23° C) and 50% relative humidity

Property	Test Method	Result
VOC	Content Method 310	0 g/L
% Solid by Weight	ASTM D1640	100
Drying Time	ASTM D816	1 Hour
Color		Gray/Light Gray
Elongation	ASTM D638	214%
Tensile Strength	ASTM D638	252 psi (1.74 MPa)

CONTINUED ON REVERSE SIDE ...

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APPLICATION

Surface Preparation

Concrete Metal Surfaces ... Concrete shall be cured and at 3000 psi (2 MPa) minimum compressive strength or as specified by the licensed design professional of record. Moisture content in the concrete must be lower than 6% as measured with equipment, such as a Tramex CME 4 moisture meter. New and existing concrete that has been power troweled requires shot blasting or mechanical abrading to achieve a surface profile of CSP-3. Wood float or broom finished concrete is acceptable for HYDROWRAP PUMA FLASHING. For proper concreting methods, refer to the International Concrete Repair Institute (ICRI) technical guideline #310.2R-2013. All surfaces must be clean, dry, frost-free, and smooth. Remove any sharp protrusions and repair all defects. Coverage rate may reduce over higher surface profiles.

Metal Surfaces ... Follow standard SSPC-SP 10/NACE No. 2 Near White Blast Cleaning. This near-white metal blast cleaned surface shall be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products, and foreign matter.

Wood Surfaces ... Wood must be minimum 5/8" (15.9 mm) exterior-grade plywood with "A"-side up and securely fastened with ring shank nails or screws. Proper consideration must be given to joints and movement. Moisture content in the wood must be lower than 6% as measured with a moisture meter.

Application Method ... Please refer to the HYDROWRAP PUMA FLASHING INSTALLATION GUIDELINE for complete installation detail prior to installing. Contact W. R. MEADOWS for site specific recommendations.

Cleanup ... Tools and equipment may be cleaned with HYDROWRAP PUMA CLEANER, acetone, or MEK. Read and follow all health and safety instructions on SDS. Wash body with soap and water. Ensure all materials are mixed and cured before disposal, in accordance with federal, state, and local regulations. Dispose of all packaging in accordance with federal, state, and local regulations.

ACCESSORIES

HYDROWRAP UNIVERSAL PRIMER is a polymethyl-methacrylate (PMMA) primer for porous and non-porous substrates, including concrete, untreated exterior-grade wood, and metals. The primer will require mixing with HYDROWRAP CATALYST before application. See mix ratio table.

Temperature °F (°C)	Volume oz./gal. HYDROWRAP PUMA FLASHING and HYDROWRAP UNIVERSAL PRIMER
15 - 40 (-9 to 4)	Contact W. R. MEADOWS for guidance
40 (4.4)	add 10 volume oz. (0.2957 L) per gallon (3.78 L) resin
50 (10)	add 8 volume oz. (0.2365 L) per gallon (3.78 L) resin
60 (15.5)	add 6 volume oz. (0.1774 L) per gallon (3.78 L) resin
70 (21.1)	add 4 volume oz. (0.1182 L) per gallon (3.78 L) resin
80 (26.6)	add 3 volume oz. (0.0887 L) per gallon (3.78 L) resin
90 (32.2)	add 2 volume oz. (0.0591 L) per gallon (3.78 L) resin

HYDROWRAP MOISTURE-TOLERANT PRIMER is a polymethyl-methacrylate (PMMA) primer for use on damp, non-metal substrates.

HYDROWRAP CATALYST is a peroxide curative mixed with HYDROWRAP PUMA FLASHING, HYDROWRAP UNIVERSAL PRIMER, and HYDROWRAP MOISTURE-TOLERANT PRIMER to react and cure the flashing system.

HYDROWRAP PUMA CLEANER is a liquid methyl methacrylate-based cleaner used for cleaning as well to reactivate overlap surfaces.

LIMITATIONS/PRECAUTIONS

Apply HYDROWRAP PUMA FLASHING in dry conditions at air, surface, and membrane temperatures between 15° - 85° F (-10 to 48.8° C). Care should be taken not to install product in direct sunlight at elevated temperatures above 85° F (48.8° C) as this will affect curing of the installed product. Application in direct sun may cause tackiness and improper curing. Maximum UV exposure time is 45 days. Minimum application temperature is 15° F (-10° C) and rising. Please contact W. R. MEADOWS when installing under 40° F (4° C). After precipitation events, allow a minimum of 24 hours for drying before installation.

If not properly catalyzed or mixed thoroughly, HYDROWRAP PUMA FLASHING will not cure. (It will remain tacky with heavy odor). The product must be completely removed by scraping and wiping with HYDROWRAP PUMA CLEANER prior to reinstallation.

Use with adequate ventilation and an appropriate respirator designed to filter organic solvents and acrylic monomers. Consult respirator manufacturer for appropriateness prior to use.

Not for use over expanded polystyrene, extruded polystyrene, poured in place gypsum, lightweight insulating concrete, cementitious wood fiber decks and coal tar pitch.

Do not apply in rain or when precipitation is imminent. Do not thin. Do not store in direct sunlight for prolonged periods. Substrate must be at least 5 °F (3 °C) above the measured dew point temperatures to avoid surface dew conditions.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.