



TECHNICAL DATA SHEET
Pumadeq Flex 32TX
Cold Fluid-Applied, PUMA, Thixotropic waterproofing membrane

Physical Property	Typical Value	Test Method
Appearance	White	-
Application Temperature (Ambient)	20 °F to 90 °F (-7 °C to 32 °C), can be lower	-
Abrasion Resistance	64mg	ASTM C501-84 (2009) - C17 wheel, 1000 grams, 1000 cycles
Hardness	35, Shore D	ASTM C2240-05 (as per C836M-10)
Solids Content by Volume	100%	ASTM D1644-2001 Method A
Adhesion	> 425 psi, substrate failure	ASTM C1583/ ASTM C1583M-04
Tensile Strength	1680 psi	ASTM D638-08
Elongation	283%	ASTM D638-08
VOC Content (maximum)	0 g/l	ASTM C1250-05

Description

Pumadeq Flex 32TX is an elastic, thixotropic, waterproofing membrane based on polyurethane modified methyl methacrylate. (PUMA) technology. PUMA technology combines the speed of PMMA technology in its application with the elasticity of Polyurethane Technology. PUMA technology exhibits much greater elongation and flexibility than PMMA technology. **Pumadeq Flex 32TX**, Thixotropic, can be applied on awkward details, to form cant strips or plug holes.

Features

- Cures within 1 hour, even at very low temperatures
- Abrasion, puncture, and UV resistant
- Solvent-free
- No VOC's

Usage

Pumadeq Flex 32TX forms a thick, waterproofing membrane in **Henry® Pumadeq System**. **Pumadeq System** applications are used for:

- Protected Membrane Roofing
- IRMA
- Plaza Decks
- Green Roofs
- Split Slabs
- Parking Decks
- Balconies and Walkways
- Water Retention

Application

Site conditions: All surfaces should be prepared as per the approved Henry Pumadeq specification.

The surface temperature must be at least 5 °F (-15 °C) above the dew point and rising. Use a surface dew point meter.

Air and surface temperatures must be between 20 °F (-7 °C) and 90° F (32 °C).

For temperatures below 40 °F (4 °C) consult Henry® Product Support: 800-486-1278

Surface preparation: Substrates to be coated must be firm, dry, load bearing, and primed with the appropriate Henry primer. Any surface must be free of dust and contaminants that would impair adhesion of **Pumadeq Flex 32TX**. If the surface is contaminated or overcoat times exceed 48 hours, wipe with **Pumadeq Cleaning Fluid** and clean cloths.

If there are any doubts about the suitability of a substrate, further advice should be sought from a Henry representative and a small trial area applied and tested appropriately

Product mixing: Prior to using **Pumadeq Flex 32TX**, it must be thoroughly mixed, using an electric, slow speed (300-400rpm), high torque drill with a clean, spiral, mixing paddle (Jiffy type), to achieve a uniform distribution of the catalyst and paraffin contained in the product.

Only catalyze the amount of material that can be applied within the estimated pot life

Be aware that temperature conditions vary in areas of project and at different times of day. Adjust catalyst accordingly.

It is recommended to start by catalyzing 1 gallon of any **Pumadeq Flex 32TX** to determine pot life.

- 1) Pre-mix the **Pumadeq Flex 32TX** for minimum 1 minute
- 2) Then mix resin together with **Henry® Pumadeq Catalyst**, for 1 minute minimum
A 1 volume oz. scoop is provided with each pail of catalyst
- 3) The Catalyst blend is added in accordance with an average of resin, ambient and substrate temperatures guidelines:
At temperatures below 40 °F (4 °C), consult Henry® Product Support: 800-486-1278
40 °F (4 °C)→ add 10 volume oz. per gallon resin
50 °F (10 °C)→ add 8 volume oz. per gallon resin
60 °F (16 °C)→ add 6 volume oz. per gallon resin
70 °F (21 °C)→ add 4 volume oz. per gallon resin
80 °F (27 °C)→ add 3 volume oz. per gallon resin
90 °F (32 °C)→ add 2 volume oz. per gallon resin

Do not mix new material with old, uncured material as this can significantly reduce work times. Use new pails frequently.

Pot Life: 10-15 minutes if **Pumadeq Catalyst** mix volumes followed. The working time of all **Pumadeq System** materials will be influenced by the amount of **Pumadeq Catalyst** added, the length of time they are mixed, how quickly they are removed from the mixing pail and the substrate and ambient temperatures. Apply onto substrate and spread to prolong working time.

Product Application: For best results, use small batch sizes (start with 1 gallon). After mixing thoroughly, pour onto deck in evenly spaced strips, as soon as possible. **Pumadeq Flex 32TX** is applied by trowel, putty knife, small roller and brush.

Pumadeq Flex 32TX can be thickened with **Henry® Filler** or approved aggregate, to fill holes and gaps.

Application Rate: As required.

WFT-DFT: As required

Re-coat and Traffic Times: Minimum 1 hour. If the surface is contaminated or overcoat times exceed 48 hours, clean with a clean cloth and **Pumadeq Cleaning Fluid**. Allow **Pumadeq Cleaning Fluid** to evaporate before over coating.

The new coating must be applied within 1 hour of **Pumadeq Cleaning Fluid** evaporation (15 minutes) or **Pumadeq Cleaning Fluid** will have to be re-applied. MEK or Acetone can also be used, following the same procedures .

Product Restrictions and Limitations:

NOTE: Before using **Pumadeq Flex 32TX**, please refer to Safety Data Sheet (SDS). Ensure the same safe working methods are followed for all persons in the work area. Wear suitable protective clothing, butyl rubber or nitrile gloves and safety goggles with side shields during mixing and application.

When **Pumadeq Flex 32TX** is applied in enclosed areas without natural ventilation, forced ventilation must be arranged.

Avoid strong concentration of vapor as well as direct contact with skin or eyes.

If concentration exceeds recommended limits in SDS, a NIOSH approved respirator (OSHA 29 CFR 1910.134) is required.

Pumadeq Flex 32TX has a low flashpoint; keep away from all sources of ignition and do not smoke.

Uncured polymers and curing agents may be alkaline, toxic or both.

They may cause allergic reactions or hypersensitivity reactions.

Contact with skin – wash immediately with soap and water.

Contact with eyes – rinse immediately with lots of water and seek medical attention.

Coverage

Application rates should be adjusted to meet each project's specified requirements. Coverage rates are theoretical and do not take into account material loss due to project conditions and working methods.

- For Henry® System and Gold Seal Warranty, refer to the appropriate approved Henry® specification for application and coverage rate requirements.

Clean-up

Clean-up of tools and equipment may be accomplished by using Pumadeq Cleaning Fluid, 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.

Packaging

2.5 gallons, in metal pails

Colors

White

Shelf Life/ Storage

One year in unopened containers stored between 32 °F (0 °C) and 75 °F (24 °C). Storing the material at a higher temperature may reduce its shelf life. Under dry, ventilated conditions and out of direct sunlight. Keep in an upright position and do not over stack.

For more information, visit www.henry.com or for technical assistance call us at 800-486-1278. For more information on Henry's® product warranty and liability disclaimer please visit www.henry.com/warranty. Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at www.henry.com or by emailing Henry® Product Support at productsupport@henry.com or by calling 800-486-1278.

Henry and Pumadeq are registered trademarks of Henry Company

The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry® Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.