TECHNICAL DATA SHEET

Pumadeq™ Grip 40

Cold Fluid-Applied, PUMA, Wear/Traffic Coat

Physical Property	Typical Value	Test Method
Appearance	Gray, Clear (for use with colored aggregates)	-
Application Temperature (Ambient)	20 ºF to 90 ºF (-6 ºC to 32 ºC)	-
Solids Content by Volume	100%	-
Tensile Strength	>750psi	ASTM D638-08
Elongation	>250%	ASTM D638-08
VOC Content (maximum)	0 g/l	ASTM C1250-05

Description

Henry® Pumadeq™ Grip 40 is an elastic coating based on polyurethane modified methyl methacrylate (PUMA) technology. **Pumadeq** 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 Grip 40 is a hard wearing coating which is broadcast with aggregate to form a wearing or direct bonding surface for waterproofing applications and a traffic surface for pedestrian or vehicular traffic applications**.**

Features

- Cures within 1 hour, including temperatures below 40 °F (4 °C)
- Excellent elongation and elasticity
- Solvent-free
- No VOC's

Usage

Pumadeq Grip 40 is used as an aggregate holding, wear/traffic coat for Pumadeq systems. Pumadeq systems are used for:

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

Application

Site conditions: Provide odor control, including air fans and exhausts.
Seal air intakes with activated carbon filters, nearby windows and doors.
Ensure a constant supply of "fresh air", required to remove monomers (heavier than air) from the resin surface and allow for cure.

Surface preparation: All surfaces should be prepared as per the approved **Pumadeq System** 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.

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Revision Date: 3/25/2021

Substrates to be coated must be firm, dry, load bearing, and primed with the appropriate Henry primer.
Any previous application of **Pumadeq** membrane must be free of dust and contaminants that would impair adhesion of **Pumadeq Grip 40**. If the surface is contaminated or overcoat times exceed 48 hours, wipe with **Henry® Pumadeq Cleaning Fluid** and clean cloths. After **Pumadeq Cleaning Fluid** evaporates (15 minutes), apply **Pumadeq Grip 40** within 1 hour or re-apply Cleaning Fluid.

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 Grip 40**, it must be thoroughly mixed, using an electric, slow speed (300-400rpm), high torque drill with a clean, spiral, mixing paddle (Jiffy type, size according to material amount mixed), 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 (10-15 minutes).
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** membrane to determine pot life.

1) Pre-mix the resin for minimum 1 minute
2) Then mix resin together with **Pumadeq Catalyst**, for 1 minute minimum
   A 1 volume oz. scoop is provided with each pail of catalyst
3) **Pumadeq Catalyst** blend is added in accordance with an average of membrane, 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 are 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, apply onto surface as soon as possible. **Pumadeq Grip 40** is applied evenly by 3/16-1/4" V-notched squeegee, back rolled with a spiked or medium nap (1/2") roller and brush.
Do not install **Pumadeq Grip 40** beyond cured primer.

Rates different for PMR, Pedestrian + Vehicular.
Application Rate: Pumadeq Grip 40 should be applied @30-50sf/gallon, depending on Pumadeq specification.
Allow for saturation of rollers and brushes.

Rates will change depending on surface profile (>CSP 3-4).

WFT-DFT: 30-40mils
If forming a thicker coating, Henry Filler can be added to the catalyzed resin.

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.
Pumadeq Grip 40 must be applied after 15 minutes minimum, 1 hour maximum of Cleaning Fluid application or Cleaning Fluid will have to be re-applied. MEK or Acetone can also be used, following the same procedures.

Product Restrictions and Limitations: If under catalyzed or mixing not thorough, the resin will not cure (remain sticky and smell). It must be completely removed by scrapping and wiping with **Pumadeq Cleaning Fluid**.