



TECHNICAL DATA SHEET  
**Pumadeq™ Primer 20**  
PMMA-based primer

Physical Property	Typical Value	Test Method
Appearance	Colorless, Cloudy	-
Adhesion	> 435 psi, substrate failure	ASTM C1583/ ASTM C1583M-04
Solids Content by Volume	100%	ASTM D1644-2001 Method A
VOC Content (maximum)	0 g/l	ASTM C1250-05

### Description

**Pumadeq™ Primer 20** is based on Poly Methyl Methacrylate (PMMA).

### Features

- Cures within 1 hour, even at very low temperatures
- Can be used on concrete, wood and steel, aluminum, galvanized, stainless and copper metals in addition to plastic pipes
- Solvent-free
- VOC compliant

### Usage

**Pumadeq™ Primer 20** is used as a primer to provide excellent bond to all porous, metal and plastic surfaces. Pumadeq™ Systems are used for:

- PMR
- 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™ System specification. The surface temperature must be at least 6 °F above the dew point and rising. Use a surface dew point meter. Air and surface temperatures must be between 32 °F and 90 °F.

**Surface preparation:** Substrates to be coated must be firm, dry and load bearing, free of loose and brittle particles, laitance and contaminants that would impair adhesion. They cannot be frozen. Concrete shall have cured for a minimum of 28 days or be moisture free when tested to ASTM D4263-83 (2005). Metals and plastic must be mechanically abraded to a clean surface, in accordance with SSPC – SP3 and wiped with Pumadeq™ Cleaning Fluid and clean cloths. Wood must be exterior grade, dry, clean and fixed with exterior deck screws.

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.

## Pumadeq™ Primer 20

---

**Product mixing:** Prior to using **Pumadeq™ Primer 20**, 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.

- 1) Pre-mix the resin for minimum 1 minute
- 2) Then mix resin together with Pumadeq™ Catalyst, for 1 minute minimum
- 3) The Catalyst blend is added in accordance with an average temperature guidelines of each resin, ambient and substrate:  
These rates will also be affected by resin and air temperatures.
  - 40 °F → add 10 volume oz. per gallon resin
  - 50 °F → add 8 volume oz. per gallon resin
  - 60 °F → add 6 volume oz. per gallon resin
  - 70 °F → add 4 volume oz. per gallon resin
  - 80 °F → add 3 volume oz. per gallon resin
  - 90 °F → add 2 volume oz. per gallon resinAt temperatures below 40°F, consult Henry® reps

Do not mix new material with old, uncured material as this can significantly reduce work times. Use new pails frequently. Decant onto substrate and spread to prolong working time.

**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, the substrate and ambient temperatures and how quickly they are removed from the mixing pail and spread on the substrate.

**Product Application:** For best results, apply freshly catalyzed material – use small batch sizes. After mixing thoroughly, decant onto deck in evenly spaced strips, as soon as possible. **Pumadeq™ Primer 20** is applied evenly by medium nap (1/2") roller and brush. Allow for saturation of rollers and brushes. Apply slight pressure on brush or roller to ensure all voids and pores are filled.

**Application Rate: Pumadeq™ Primer 20** should be applied as per the approved Pumadeq™ System specification, depending on substrate. Normally 100sf/ gallon.

**WFT-DFT (Wet and Dry Film Thickness):** 15 mills

**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.

**Product Restrictions and Limitations:** Do not apply too thickly or paraffin will not fully evaporate, causing incomplete cure.

**NOTE:** Before using **Pumadeq™ Primer 20**, please refer to Safety Data Sheet (SDS).

### 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

---

1 gallon, in metal pails

### Colors

---

Colorless, Cloudy

**Shelf Life/ Storage**

---

Six months in unopened containers stored between 32 °F and 75 °F. 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](http://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](http://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](http://www.henry.com) or by emailing Henry® Product Support at [productsupport@henry.com](mailto:productsupport@henry.com) or by calling 800-486-1278.

Henry® is registered trademark 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.