

HP-LIQUID FLASHING 9800



PRODUCT DESCRIPTION

HP-LIQUID FLASHING 9800 is a Flexible methyl methacrylate polyurethane resin. It is 100% reactive and is used with the **HYDRO-PRUFE® PVC** Thermoplastic waterproofing systems and the **HYDRO-TUFF (HFA)** rubberized asphalt waterproofing system. This liquid flashing can be used as a detail membrane for those difficult shape conditions like penetrations that pass through both membranes, and a standard PVC boot cannot conform to the shape of the penetration. When used with the HP liquid flashing primer it adheres to the PVC membrane creating a watertight seal. Follow the mixing guidelines listed in this data sheet.

PRODUCT INFORMATION

Standard Color is: Clear to Hazy (1 Color packet enclosed in each kit)

Packaging: Kits include 3 Quarts HP-9800, 1 Quart HP 9112 primer, 6 oz of colored pigment. Hardener is shipped separately with each kit at 12 oz of hardener per kit.

PHYSICAL PROPERTIES RESIN

Percent Reactive	100%, zero VOC
Working life, 50-70F	15-25 minutes, varies
Cure Time	55-75 minutes
Viscosity, cps	600-800 cps
Weight per Gal	8.4 lbs
Tensile Strength	250 psi
Elongation @ Break	300 %

INSTALLATION

When installing the HP-Liquid Flashing 9800 over **HYDRO-PRUFE® PVC** ensure the PVC is clean and dry. Wipe the PVC with cleaner approved by the manufacturer. Prime the PVC with the HP-Liquid Flashing 9112 primer at a rate of approximately 350 - 400 sf per gallon. Do not let primer puddle on PVC. Following mixing chart on this data sheet and install around penetration sealing penetration to PVC membrane. See manufacturer for additional details.

AVAILABILITY

HP-LIQUID FLASHING 9800 is available from the manufacturer, vendors, or factory trained contractors.

PACKAGING PER PALLET

There are 10 kits on each pallet.

WARRANTY

Warranties are available upon successful installation and range in coverage. Contact the manufacturer for further information concerning warranties.

MAINTENANCE

HP-LIQUID FLASHING 9800 requires no maintenance.

The information, data and suggestions contained herein are believed to be reliable, based upon our knowledge and experience. For the most up to date information, please visit www.hydro-gard.com. HYDRO-GARD accepts no responsibility for the results obtained through application of this product. HYDRO-GARD reserves the right to update information without notice.

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MIXING AND INSTALLATION

HP Liquid Flashing 9800 is typically used in conjunction with fillers and aggregate and requires the addition of the HP Hardener to start the hardening process. The amount of hardener must be adjusted to the respective surface temperature (see table). At temperatures below 40° F, **HP COLD TEMPERATURE ACCELERATOR** must be used in addition to the amount of hardener used at the 40° F or 30° F level.

HP 9800 FLEXIBLE LIQUID FLASHING Resin
Mixable Ratios, Pot Life, and Hardening/Temperature

Temp. (°F) of Resin Air & Floor Surface	Hardener by Volume (oz.) Per Gallon of 9800 Resin	Pot Life (min.)	Hardening Time (min.)
+ 30° F	10 vol. Oz.	Approx. 25	Approx. 75
+ 40° F	9-10 vol oz.	Approx. 25	Approx. 70
+ 50° F	8-9 vol oz.	Approx. 25	Approx. 65
+ 60° F	6-7 vol oz.	Approx. 20	Approx. 60
+ 70° F	5-6 vol oz.	Approx. 20	Approx. 50
+ 80° F - 90° F	5* vol oz.	Approx. 15	Approx. 45

*Do not use less than 5 oz. HP 9800 Hardener by volume
Consult with **HYDRO-GARD** Technical Service if performing mix ratio by weight instead of by volume.

HP COLD TEMPERATURE ACCELERATOR: At Temperatures below 40° F, **HP Cold Temperature Accelerator** must be used in addition to the amount of hardener uses at the 40° F or 30° F Level. As a rule of thumb, add about ½ oz by volume per gallon of resin @ 39° F to 32° F, up to 2.0 oz by volume per gallon @ -20° F, Increasing the quantity gradually in a consistent linear progression as the temperature decreases. **VERY IMPORTANT: HP COLD TEMPERATURE ACCELERATOR** must be added to the resin and thoroughly blended BEFORE adding the **HP Hardener**, or hazardous decomposition may occur (i.e., violent foaming). **HP COLD TEMPERATURE ACCELERATOR** will cause yellowing, it is advised to use pigmented **Resin** versus clear to reduce the appearance of yellowing, darker colors will be less affected than lighter colors.

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FORMULATION GUIDE - MEMBRANE SLURRY (NON FLASHING APPLICATIONS)

Typical Slurry Formula for 40 mil - 125 mil Basecoat Membrane (Formula 9800/1)

Material	Weight	Volume
HP 9800	8.4 lbs	1.0 gallon
HP Self Leveling Filler	4-5 lbs	0.25-0.33 gallons
Pigment Pack (optional)	N/A	6.4 vol. Oz.
HP 9000 Hardener	Follow Chart	Follow Chart

Add Hardener to the clear resin and blend; add dry filler powder and mix thoroughly with jiffy mixer. Blend pigment and mix for 1-2 minutes until no lumps are present. Apply mix to the primed surface using a gauge rake or notched trowel. The above mixture will yield approximately 1.15 gallons of slurry. Coverage per batch is:

Yield*	1.15 gallons slurry
Coverage: 1/16"	28-30 sf
Coverage: 1/8"	13-15 sf

*Note: Yield of mixed slurry will vary depending on mix design used.

APPLICATION MEMBRANES (NOTE: APPLIES TO FLOORING APPLICATIONS)

The fresh slurry coat or joint filler must be applied over substrate primed with **HP 9112**. Formulas 9800/1, 9800/2, and 9800/4 are applied with a gauge rake or notched trowel/squeegee. When using formula 9800/1, apply in two layers, the first "neat" and the second layer broadcast to excess with a wearing course of 20 mesh silica or colored quartz aggregate. Formula 9800/2 may be installed in a single layer and must be broadcast to excess with a wearing course of 20 mesh silica or colored quartz aggregate. Formula 9800/4 is applied in two layers, with polyester fleece reinforcement imbedded into the first layer. Aggregate broadcast rates will vary from 0.25-1.25 lbs/sf depending on type and size of aggregate, mix design, and thickness of slurry. It is recommended to broadcast 20 mesh aggregate or larger. Do not use broadcast aggregate smaller than 20 mesh or the risk of random cure problems increases. Aggregate may be natural or colored quartz, sand, aluminum oxide, emery, etc. **HP 9800** must be top coated or sealed with **HP 9528**.

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PHYSICAL PROPERTIES - RESIN/SYSTEM

Percent Reactive	100%, zero VOC
Working Life, 50° F - 70° F	15-25 minutes, will vary w/temp. & amount of hardener
Re-Coat Time	55-75 minutes
Viscosity, cps	600-800 cps
Weight per Gallon	8.4 lbs.
Tensile Strength	250 psi
Elongation at Break	300% resin, 100% filled mortar

AVAILABILITY

HP-9800 is available throughout the United States, Canada, Mexico and a number of other countries. Contact the representative in your area.

STORAGE

Store in a cool and dry place, below 80° F, out of direct sunlight. Do not store near open flame or food. Shelf life is 6 months in the original un-opened containers. After extended storage: Additives and fillers can separate with storage, materials should be inspected for any visible signs of settlement, polymerization, or paraffin coagulation (clumps, strands). Thoroughly mix pails or drums (use a drum mixer, do not rely on rolling drum on floor) pour into new containers to inspect resin before use.

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