

Description

H2Poxy is a 100% solids, hydrophobic, above-the-waterline epoxy product that features extreme adhesion and durability. H2Poxy retains zero water when left submerged in salt water. H2Poxy will not react to mist, humidity, rain, or water spills, even while in an uncured state. H2Poxy may even be applied to green concrete, cured concrete, and even wet metal while still retaining full effectiveness.

H2Poxy comes in 2 formulations: H2Poxy-A, for above the waterline applications and H2Poxy-B, for below waterline applications. Which may be applied while underwater.

Each kit of H2Poxy contains 1 gallon of "base" and a 0.5 gallons of "activator".

NOTE: Maxon H2Poxy is not a structural or restorative product and should only be used on substrates that are structurally sound.

Basic Usage

H2Poxy is a 100% solids product making it ideal for a variety of applications where moisture is a concern. It is also resistant to a wide range of industrial chemicals. Adhesion strength is excellent, with averages of 800 PSI/5.51 MPa on non-profiled metal. Under a 1,000 cycle taber abrasion test, samples coated with H2Poxy lost only 0.3-0.5 mg of mass. H2Poxy is also effective as a floor coating and suitable for marine to heavy industry applications.

Maxon Technologies H2Poxy can be used as a stand-alone solution, or as a part of a more comprehensive solution utilizing other Maxon Technologies' products. Additionally, H2Poxy may also be used as a top-coat for other coating systems.

Benefits

- Extremely hydrophobic, may be applied in extremely wet conditions. Below waterline formula may be applied while underwater.
- 100% solids product.
- H2Poxy is a GREEN product, contains absolutely ZERO VOCs, and 25% of its ingredients are from a renewable plant-based source.
- Solvent free, low-to-no odor and easy to clean when uncured.
- Extremely cost effective
- Resists abrasion, freeze/thaw, thermal shock

Properties (Base)

Property ⁽¹⁾	Value	Method
Epoxide Equivalent Weight (g/eq)	182 – 192	ASTM D-1652
Epoxide Percentage (%)	22.4 – 23.6	ASTM D-1652
Epoxide Group Content (mmol/kg)	5200 – 5500	ASTM D-1652
Color (Platinum Cobalt)	75 Max.	ASTM D-1209
Viscosity @ 25°C (mPa•s)	11000 – 14000	ASTM D-445
Hydrolyzable Chloride Content (ppm)	500 Max.	ASTM D-1726
Water Content (ppm)	700 Max.	ASTM E-203
Specific Gravity / Density @ 25°C (g/cm ³)	1.12-1.13 g/cm ³	
Shelf Life (Months)	24	

Typical properties, not to be construed as specifications.

Properties (Activator)

Property ⁽¹⁾	Value	Method
Viscosity @ 25°C (cPs)	700 - 1,200	ASTM D2196
Amine Value (mg KOH/g)	270 - 310	ASTM D2074
Volatile Loss (% weight)	≤ 3	ASTM D2369-98
Theoretical Active Hydrogen Equivalent (AHEW)*	133	Calculated
Specific Gravity / Density @ 25°C (g/cm ³)	0.98977 g/cm ³	
Flash point	101°C / 214°F	
Recommended Use Level (phr, EEW 190) Shelf	70	
Life (Months)	12	

Typical properties, not to be construed as specifications.

* Based on total product weight

Refer to our Material Safety Data Sheet (MSDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product.

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