

**DESCRIPTION**

**HP-100 is a two component, fast curing, specifically formulated for use as a thin film concrete, steel, or fiberglass primer. HP-100's low viscosity allows it to quickly penetrate concrete substrates, providing a highly durable surface to accept specialty coatings.**

**HCM-100 FEATURES**

- Protects from Hydrogen Sulfide gases and other chemicals found in water and wastewater infrastructure
- Extremely low viscosity, will penetrate concrete for permanent bonding
- Can be applied through low pressure plural component cartridge spray systems
- Cures in 20 minutes for quick project turnaround
- Self-Leveling
- Will not shrink
- Cures down to 0° F

**PRIMARY APPLICATION**

To be used as a primer under any of ECS Coatings specialty topcoats.

**APPLICATION**

HP-100 can be applied by plural component cartridge packs and a static mixing wand or an unheated plural component proportioning unit. (1:1 by volume).

**APPLICATION RECOMMENDATIONS**

HP-100 adheres extremely well to properly prepared concrete and metal surfaces. Prior to application of material make sure that there is no loose dust, dirt, rust, grease, mold release agent, petrochemicals, wax or any material that will interfere with the bonding process.

**PHYSICAL PROPERTIES (1:1 BY VOL)**

Tensile Strength, Psi Astm D638 4500  
Elongation, % Astm D638 6  
Compressive Strength, Astm D695 3800

Bond Strength, Psi Astm D4541 1200  
Hardness, Shore D Astm D2240 71

Shrinkage None  
Solids Content, % 89  
Viscosity, Cps, Neat 25

Pot Life @ 72° F 3 Min  
Tack Free @ 72° F 10 Min  
Final Cure @ 72° F 20 Min

**MIXING INSTRUCTIONS**

HP-100 is a two-component product: Dispense through a static mixing wand when using plural component pump systems. When using low or high pressure spray equipment use proper respirators. Soft, unsound, highly porous concrete may require 2-3 applications of HP-100 in order to adequately prepare the surface for installation of sealants or coatings.

**CLEAN-UP/DISPOSAL**

Cured product may be disposed of without restriction. The un-cured "A" side and "B" side components should be mixed together and disposed of in a normal manner. "Drip free" containers should be disposed of according to local, state, and federal laws.

**SHELF LIFE & STORAGE**

One year in sealed, unopened factory containers, under normal storage conditions of 55° F to 95° F.

**PACKAGING**

- One Hundred Ten Gallon Kit: 55 gallons of "A" side and 55 gallons of "B" side
- Ten Gallon Kit: 5 gallons of "A" side and 5 gallons of "B" side.
- 600 by 600 ML Cartridge Packs.

**COLOR**

Amber

**SHIPPING INFORMATION**

HP-100 can be shipped via most commercial truck lines. Please refer to the MSDS for further information.

**TECHNICAL SERVICES**

Contact ECS Coatings sales and customer support at 941-993-5923.

**WARRANTY**

The technical data and any other printed information furnished by ECS Coatings are true and accurate to the best of our knowledge. HP-100 conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray, or injuries resulting from the use of this product. ECS Coatings makes no warranty expressed or implied, of its HP-100 product and shall not be liable for indirect or consequential damage in any event.