

1. PRODUCT NAME  
Concrete Patch Binder

2. MANUFACTURER  
ThorWorks Industries, Inc.  
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Sandusky, OH 44870  
Phone: 800-326-1994  
Fax: 419-626-5477  
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*Additional Plant Locations:*  
SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone 1-800-395-7325 or visit website at www.sealmaster.net to find the location near you.

3. PRODUCT DESCRIPTION & BENEFITS

SealMaster Concrete Patch Binder is a 100% acrylic emulsion that is mixed with portland cement and sand, producing a patch mix with superior flexural, adhesive, and impact strength, as well as excellent abrasion resistance. Patch mixes based on Concrete Patch Binder are ideal for repairing and resurfacing both interior and exterior concrete surfaces. Features include:

- Excellent adhesion to concrete and masonry
- Resistance to many industrial chemicals
- Environmentally friendly water based formulation
- Provides lasting repair for concrete surfaces
- Ideal for making thin overlays and repairs

*Basic Uses:* SealMaster Concrete Patch Binder is mixed with sand and cement to provide a superior patching material for concrete driveways, parking lots, patios, sidewalks, stucco, highway and bridge deck repair, factory floors, garage floors, basement floors, tennis courts, and more.

*Composition:* Concrete Patch Binder is a 100% acrylic emulsion resin designed specifically for mixing with sand and cement.

*Sizes:* Concrete Patch Binder is

available in 55-gallon drums and 5 gallon pails.

*Color:* Dries the color of cement.

*Limitations:* Concrete Patch Binder patching mix shall not be applied at temperatures below 50°F or if temperature is expected to drop below 50°F within a 24 hour period after application.

4. TECHNICAL DATA

*Environmental Considerations:* Concrete Patch Binder is an environmentally friendly 100% acrylic water based product containing less than 150 g/l Volatile Organic Content (VOC).

*Physical/Chemical Properties:* Patching mixes based on Concrete Patch Binder meet the following material requirements when tested in accordance with ASTM C190-72, ASTM C109-73, and ASTM C348-72. (see chart below)

5. INSTALLATION

Concrete surface must be cleaned entirely of dust, dirt, debris, oils, waxes, coatings, and other foreign materials.

*Methods:* A power mixer (drill with mixing attachment or mortar mixer) is recommended. Small amounts of material may be mixed by hand.

*Mixing Procedures:* Use the following ratios to prepare a

patching mix based on Concrete Patch Binder:

- Sand.....100 lbs.
- Portland Cement (Type I)....33 lbs.  
*Thoroughly premix sand and cement together.*
- Concrete Patch Binder.....3.5 gals.
- Water\*.....1/2 gallon

*\*Additional water may be required to achieve workability.*

*IMPORTANT:* Mix thoroughly for only 2-4 minutes. DO NOT OVERMIX as this may cause excessive air entrainment and loss of strength.

*Application:*  
Apply patch mix (Concrete Patch Binder, Sand, Cement, Water - if needed) to properly prepared surface with a trowel or screed. For areas deeper than 1/2" apply in lifts no greater than 1/2" at a time. Final finish may be troweled, floated, or brushed. Allow surface to harden completely before opening to traffic.

*Application Rate of Mixed Materials:*

100 lbs. of patch mix will fill approximately 3 square yards (27 square feet) at 1/4" depth.

*Estimating Material Requirements:* One gallon of Concrete Patch Binder will produce enough patch mix (when mixed with sand and cement) to fill .86 square yard (approximately 7.75 square feet) at 1/4" depth.

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Chemical & Physical Analysis

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Weight per gallon @ 77°F.....	8.8 lbs. gallon
Tensile Strength (PSI).....	855 PSI
Compressive Strength (PSI).....	5700 PSI
Flexural Strength (PSI).....	1850 PSI
Shear Bond Adhesion (PSI).....	>550 PSI
Impact Strength, inch-lbs.....	22 inch-lbs.
Abrasion Resistance (% weight loss).....	1.57%

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# Concrete Patch Binder

*Precautions:* Both surface and ambient temperature shall be a minimum of 50°F. Do not apply when temperature is expected to drop below 50°F within a 24 hour period following application. Keep Out Of Reach Of Children. Do not store unopened drums or pails in freezing temperatures.

## 6. AVAILABILITY & COST

*Availability:* Concrete Patch Binder is supported by a nationwide network of SealMaster manufacturing facilities along with a nationwide network of qualified applicators.

*Cost:* Cost information can be obtained from a local applicator. Contact SealMaster for the applicator in your area.

## 7. WARRANTY

SealMaster warrants that SealMaster Concrete Patch Binder meets the chemical composition and performance requirements set forth in section 4. Liability to the buyer or user of this product is limited to the replacement value of the product only.

## 8. MAINTENANCE

Periodic pavement sweeping will ensure optimum product service life.

## 9. TECHNICAL SERVICES

*Manufacturer:* Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster.

*Professional Applicators:* Your local applicator is available to provide on-site inspections and recommendations to meet your specific needs.

## 10. FILING SYSTEMS

- SealMaster Online Specifications at [www.sealmaster.net](http://www.sealmaster.net)
- Complete SealMaster Product and Equipment Catalog Available
- Sweet's Catalog
- Sweet's CD
- Sweet's Online
- Sweet's Directory

The statements made on this specification sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose. Warranty is void on multi-coat applications if material made by other manufacturers is used with this product.

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