



american coating technologies

www.amcoating.com

# Product Technical Data

## AM 8400 Clear Water Based Acrylic Sealer

### Product Description

AM 8400 is a one component water based acrylic sealer that offers excellent resistance to water blushing without the objectionable solvent odors associated with solvent based sealers. This product has a fast set time and good stain resistance.

### Recommended For:

- Recommended for sealing concrete or cement. Do not use in immersion service or constant chemical exposure areas.

### Solids By Weight:

25% (+/- 2%)

### Solids By Volume:

21% (+/- 2%)

### Volatile Organic Content:

VOC less than 84 g/l

### Colors Available:

This product is available in a clear only

### Recommended Film Thickness:

3-4 mils wet (0.5 – 1.0 mils dry)

### Coverage Per Gallon:

401-534 square feet @ 3-4 mils wet thickness

### Packaging Information:

This product is available in 1 gallon, 5 gallon and 55 gallon containers. (Volumes approximate)

### Mix Ratio:

One component product, simply stir before using

### Shelf Life:

1 year in unopened containers

### Abrasion Resistance:

Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 80 mg loss

### Impact Resistance:

Gardner Impact, direct = 50 in.lb. (Passed)

### Dot Classification:

Not regulated

### Viscosity:

Less than 200 cps (typical)

### Flexibility:

No cracks on a 1/8" mandrel

### Adhesion:

395 psi @ elcometer (concrete failure, no delamination)

### Peel Adhesion:

Excellent

### Application Temperature:

60-100 degrees F with relative humidity below 85%

### Primer:

None required.

### Topcoat:

None required. Multiple coats of this product are compatible.

### Cure Schedule (70°):

Tack free (dry to touch)	1-2 hours
Re-coat or topcoat	2-4 hours
Light foot traffic	3-5 hours
Full cure (heavy traffic)	2-3 days

### Chemical Resistance:

REAGENT	RATING
Gasoline	1
Break fluid	1
Used motor oil	5
DI water	5

Rating key: (film damage) 1 = severe -> 5 = no damage.

### Stain Resistance:

REAGENT	RATING
Kool-Aid	10
Mustard	10
Chocolate	10
Ketchup	10
Coal Tar	2

Rating key: 10 = excellent stain resistance -> 0 = no stain resistance.

### Limitations:

High humidity, low temperatures or chemical exposure may affect clarity of color or gloss. Lighting like sodium vapor lights may affect color. For best results use a good quality 3/8" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Do not apply this product to areas where there is standing water, damp concrete can be coated. Too thick of an application may result in solvent entrapment and subsequent product failure. Physical properties listed on this technical data sheet are typical values and not specifications.

**WARNING:** Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.  
See reverse side for limitations of our liability and warranty.

## AM 8400 Instructions:

**1) PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Keep from freezing.

**2) SURFACE PREPARATION:** Surface preparation will vary according to the type of substrate. For a one or two coat thin build application (3-8 mils wet) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. This can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause disbonding. However, this product can be applied to a damp floor as long as there are not standing puddles.

**3) PRODUCT MIXING:** This product should be stirred well before using. Mix with slow speed mixing equipment to avoid introducing air into the material.

**4) PRODUCT APPLICATION:** Brush or roller can apply the material. Maintain temperatures and humidity within the recommended ranges during the application and curing process.

**5) RECOAT OR TOPCOATING:** If you opt to recoat this product, you must first be sure that all of the solvents and water have evaporated from the coating during the curing process. The information on the front side is reliable guidelines to follow. However, it is best to test the coating before recoating. Pressing on the coating with your thumb to verify that no fingerprint impression is left can do this. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. We do not recommend any coatings be placed over this product except multiple coats of this product itself.

**6) CLEANUP:** Use Soap and Water

**7) FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

**8) RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

---

### NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

---

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

**NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**