



# CoverShield E400 WB

## Two component water based epoxy coating

### Product Description

CoverShield 400 WB is a two component, abrasion resistant low odor, water-based epoxy coating for use with concrete, wood vinyl tile, or masonry.

### Features

- Low VOC
- Virtually no odor
- Can be used on "Green Concrete" (<28 days old)
- Primerless
- Can be applied by roller, brush or spray
- Chemical resistance
- Abrasion resistant

### Main Uses

- Showrooms
- Warehouses
- Hospitals
- Food preparation areas
- Pharmaceutical plants
- Locker Rooms
- Day Care Facilities

### Test Data

Property	Typical Results
VOC content	120 g/l
Bond to concrete ASTM C882	>300 psi
Flexibility	No cracks on 1/8" mandrel
Abrasion resistance ASTM D4060 CS-17 wheel/500 cycles	54 mg loss with 1000 gm load
Impact resistance MIL D3134	Passes

### Application Properties

Pot life	45 minutes at 77°F (25°C)
Tack free	5 hour at 77°F (25°C)
Hard cure	48 hours at 77°F (25°C)
Recoat window	5 to 24 hours at 77°F (25°C)

### Colors

Standard: light grey, battle ship grey, beige, tile red, light blue. Other colors available, subject to a minimum order.

### Finish:

Satin Gloss

### Recommended Thickness

5-7 wet mils per coat (yields 2-3 mils dry).

### Coverage

230 to 320ft<sup>2</sup> per gallon at 5-7 mils wet thickness. Actual coverage will depend upon surface profile, porosity of concrete and dilution.

### Packaging

2 gallon (7.2L) and 5 gallon (19L) kits.

### Shelf Life

12 months when stored unopened at below 77°F (25°C) under shade in a dry environment. Do not allow to freeze.

### Surface Preparation

CoverTec Surface Preparation Guide must be referred to prior to starting work. The information below is a summary intended for guidance only. Existing concrete must be structurally sound, fully cured a minimum of 28 days, clean and free of laitance, grease, oil, curing compounds and other foreign materials that could inhibit adhesion. Roughen surface by abrasive blasting or other suitable mechanical means and remove dust and loose particles using oil-free compressed air or vacuum.

### Vinyl Composition Tile

Pre-sweep or dust mop all areas and remove gum, tar, glue, etc, from the floor. Apply VCT stripper. Allow time for the stripper to begin to breakdown oils and soiling. Scrub away the old wax, stains, and ground in soiling with the appropriate stripping pad or brush and scrubber. Extract and rinse away or wipe up the stripper residue. Allow the floor to dry for 4 hours. Circulate air during this drying process using a fan air blower. **The floor must be cleaned and rinsed thoroughly to ensure that it is pH neutral. Use a microfiber mop to pick up all dust and dirt.**

**Primer:**

None required

**Mixing**

This product comes pre-packaged by weight. Kits should be mixed in their entirety. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. This product is an emulsion product and should be mixed well before using

**Application**

Apply by 3/8" nap mohair roller, brush or airless spray. Two 5-7 mil wet coats are recommended. Allow first coat to dry for a minimum of 5 hours and a maximum of 24 hours before applying the finish coat.

**Limitations**

Do not apply in rain or wet conditions, at temperatures below 50°F (10°C), above 120°F (49°C) or within 5°F (3°C) of the dew point.

Application thicker than 7mils wet, may result in lower performance and possible adhesion failure  
Avoid skin contact.

Do not discard into the water system.

**Health and Safety**

**Before using this product consult the Material Safety Data Sheet (MSDS). The MSDS can be obtained at [www.covertecproducts.com](http://www.covertecproducts.com)**

**Limited Warranty**

This product is warranted to be of good quality and that it complies with the properties shown in the current datasheet. CoverTec will replace or, at our election, refund the purchase price of the product if proven defective when used according to the instructions in the current datasheet. Any suspected defect must be reported to CoverTec in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. CoverTec Products LLC, **makes no warranty as to the merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied and explicitly excludes liability for consequential damages, down time, or delay.**