

# ULTRA-COVE 900

**A TWO-COMPONENT, 100% SOLIDS, SOLVENT-FREE, EPOXY PASTE WHICH EXHIBITS NON-SAG PROPERTIES FOR VERTICAL APPLICATIONS**

**ULTRA-COVE 900** is a two-component, clear, epoxy paste designed for vertical applications where extra non-sag properties are required. Ultra-Cove 900 can be used as a primer, a mortar system and a sealer.

## **ADVANTAGES**

- UV resistant
- Non-abrasive consistency
- Does not promote bacterial growth
- Durable & long lasting
- Excellent impact resistance
- Superior chemical resistance
- Meets USDA requirements

## **PACKAGING**

**3 gallon kit:** Two 1 gallon (3.78 liters) cans of Side-A and one 1 gallon (3.78) can of Side-B.

**15 gallon kit:** Two 5 gallon (18.9 liter) pails of Side-A and one 5 gallon (18.9 liter) pail of Side-B.

## **Mixing Ratio by Volume:**

(2) Part-A: (1) Part-B

## **SURFACE PREPARATION**

The concrete substrate must be clean, sound and dry. New concrete should cure for at least 30 days. Ultra-Cove 900 will not fill voids or bridge large cracks. All voids and cracks must be patched using Umaco Universal 1023 then allowed to cure. The minimum pull off strength of the substrate is 200 psi. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, laitance, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING REGARDING PAINT REMOVAL.**

Umaco Ultra-Clean may be used to remove oil or grease stains from concrete surfaces. The concrete must have a surface profile of CSP 3-5. Suitable preparation methods include dustless

grinding, shot-blasting, scarification and etching using Umaco Ultra-Etch.

## **Concrete Moisture**

Perform testing to verify that the vapor pressure is below 3.0 pounds per 1000 square feet per 24 hours. If the vapor pressure exceeds this limit, Umaco Ultra-Prime MVB must be used prior to application. Refer to Umaco Ultra-Prime MVB data sheet for full instructions and limitations.

## **MIXING**

Umaco Ultra-Cove 900 is sold as kit, (2) Part-A Resin: (1) Part-B Hardener. Pour Part-B into Part-A then mix using a paddle attached to a low speed drill (400-600 RPM) for approximately 90 seconds until one even color develops. Mix only enough material that can be applied within 20-30 minutes at 70° F.

## **APPLICATION**

Umaco Ultra-Cove 900 can be applied using a brush or roller. This product is best suited for application in temperatures between 55°F to 90°F. Maintain recommended temperature and relative humidity during application and curing process.

## **COVERAGE**

Approximate coverage is 100-200 ft<sup>2</sup> per gallon at 10-20 mils.

## **CLEANUP**

Clean up mixing station, tools and equipment as required using denatured alcohol. Observe all legal, health and safety precautions when handling or storing solvents and materials particularly in confined spaces.

## **DISPOSAL**

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations

## **STORAGE**

Umaco Ultra-Cove 900 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-90°F (15-32°C).

## **LIMITATIONS**

- Do not apply on wet or damp substrate
- Apply when ambient and surface temperatures are between 55°F-90°F
- Substrate temperature must be 5° F above dew point
- New concrete must cure 28 days

## **TECHNICAL DATA**

**Solids by Weight:** 100%

**Solids by Volume:** 100%

**Coverage per Gallon (10-20 mils):**  
100-200 ft<sup>2</sup>/gal

## **Finish Characteristics:**

Gloss (>70 at 60 degrees at glossmeter)

## **Abrasion Resistance (ASTM D 4060):**

Taber abraser C-17, 1000 gram load and 1000 cycles = 0.15 gr

## **Flexural Strength (ASTM D790):**

4,000 psi

## **Compressive Strength (ASTM D695):**

17,520 psi

## **Tensile Strength (ASTM D638):**

5,000 psi

## **Hardness (ASTM 2240):**

Shore D=75-80

## **Bond Strength (ASTM D 4541):**

> 400 psi

## **Impact Strength (MIL D 3134):**

Passing, no chipping or cracking

## **Water Absorption (ASTM D 570):**

0.2%

## **Flammability (ASTM D 635):**

Self-extinguishing

## **Application Temperature:** 55-90°F

**Pot Life (1-1/2 Gallon):** 30 minutes



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**WARNING**

Harmful if inhaled. Harmful if swallowed.  
May cause eye irritation. May cause  
allergic skin reaction. Before using, read  
the Safety Data Sheet and follow all  
precautions to prevent bodily harm.

**WARNING!** If you scrape, sand or  
remove old paint, you may release lead  
dust or fumes. **LEAD IS TOXIC.**  
**EXPOSURE TO LEAD DUST OR**  
**FUMES CAN CAUSE SERIOUS**  
**ILLNESS, SUCH AS BRAIN DAMAGE,**  
**ESPECIALLY IN CHILDREN.**  
**PREGNANT WOMEN SHOULD ALSO**  
**AVOID EXPOSURE.**

Before you start, find out how to protect  
yourself and your family by contacting the  
USEPA National Lead Information Hotline  
at 1-800-424-LEAD or log onto  
[www.epa.gov/lead](http://www.epa.gov/lead). Wear a properly fitted  
respirator and prevent skin contact to  
control lead exposure. Clean up  
carefully with a HEPA vacuum and a wet  
mop. Follow these instructions to control  
exposure to other hazardous substances  
that may be released during surface  
preparation.

**For technical assistance call**  
**978-453-8881.**

**[www.umaco.com](http://www.umaco.com)**

**LIMITED WARRANTY**

*The manufacturer guarantees its products  
to be free of defects and the extent of its  
liability is limited to the purchase price of  
the materials only, if proved to be  
defective. Improper mixing, incorrect  
application or other factors beyond the  
control of the manufacturer or its dealers  
may produce unsatisfactory results and  
cannot be held to be the manufacturers or  
its dealers responsibility. There are no  
other guarantees either expressed or  
implied. (2021)*

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