



## Technical Data Sheet

### Product description

Heritage Overlay is a single component, multipurpose cementitious topping designed to resurface structurally sound, non-moving concrete floors, walls, and exterior hardscapes. Heritage Overlay is a special blend of sand, cement, and polymer, which allows for thin applications that can be smooth troweled, broom finished, or applied using a splatter brush or hopper gun. It is easy to install and mixed on the job site with clean water. When properly installed, it permanently bonds to concrete surfaces creating a durable, abrasion resistant surface that is also freeze/thaw resistant. Applications of Heritage Overlay is greater than ¼" thickness are not recommended.

### Advantages

- : Extremely durable.
- Freeze/thaw resistant.
- Abrasion resistant.
- May be integrally colored and clear sealed.
- Can be used on vertical and horizontal surfaces.
- Trowelable and sprayable applications.

### Uses

- : Great for restoring worn, distressed or color blemished concrete.
- Resurfacing structurally sound, nonmoving concrete floors, walls, and exterior hardscapes.
- Create color and texture on existing concrete surfaces.
- Residential to commercial and industrial applications on horizontal and vertical surfaces.
- Can be applied using various tools, such as a trowel or a hopper gun.

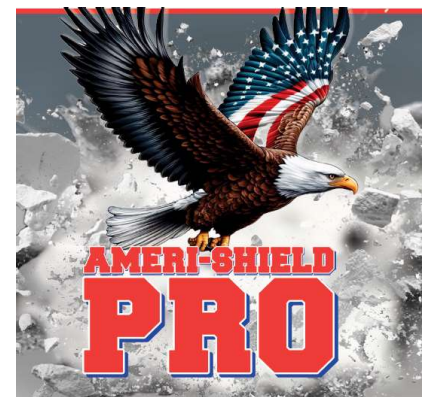
### Technical Properties

Compressive Strength	ASTM C-109	1 day - 2,000 psi 7 days - 3,850 psi 28 days - 4,100 psi
Tensile Strength	ASTM C-109	1 day - 230psi 7 days - 890 psi 28 days - 890 psi

### Application Data

Coverage	One 50 lb bag will cover approximately 25 sq. ft. at 1/4" thickness
Application Temp.	45° F - 85° F
Packaging	50 lb bag
Color	Light Gray

FOR PROFESSIONAL USE ONLY!!



## Surface Preparation

: Remove all potential bond breakers such as grease, oil, paints, sealants, moss, dust, mastics and other contaminants on the surface. Heritage Overlay should be placed only on clean, sound, fully cured concrete. All cracks, holes, spalls, etc. should be filled and let fully cure prior to placement. Always pressure-wash, vacuum or sandblast the surface to remove excess dust and debris left over from other surface preparation or repair procedures. Once the surface has been prepared and cleaned, keep it clean through the duration of the project. The removal of all contamination is critical to the success of the project.

An etch is recommended with this product, we prefer E4E Extreme Clean.  
A minimum of 3200 psi pressure wash is recommended.

## Integral Color

Measure the water accurately for each batch for the duration of the installation to ensure consistency in the color and finish. When using color, slowly add the color to the dry powder. Using a good quality 600 rpm drill and paddle, thoroughly mix the color and the dry powder. Slowly add the dry mixture to the water and continue mixing for a minimum of 3 minutes until uniformly blended smooth.

## Mixing

: Using approximately 4 quarts of water per 50 Lb. bag for a trowelable consistency. Up to 5 quarts of water are recommended to achieve a sprayable consistency. Prior to mixing, store all materials in a shaded or cool environment. Mix and install when ambient temperatures are between 45 °F (7 °C) and 85 °F (30 °C). Measure and add the water to a clean mixing vessel before adding the dry materials. Never add water directly to the dry material, as lumping may occur. Slowly add the dry mixture to the water and continue mixing for a minimum of 3 minutes until uniformly blended smooth. Temperature, humidity, method of application, and finish texture will affect the amount of water. Do not use a concrete mixer. Do not mix more material than can be correctly applied within 60 minutes at 70 °F (21 °C). Keep the mixing pail and mixer free of material build up.

## Application

: Trowelable Application

Temperature should be between 45 °F (7 °C) and 85 °F (30 °C) before mixing and placing material. Do not use in extreme temperatures or windy conditions. Once material is thoroughly mixed, immediately install with a hopper gun or by trowel over the properly prepared concrete substrate. Apply the material at a uniform depth of no more than ¼" of thickness. For thicker applications, allow material to dry for 3-4 hours after placement at 70 °F (21 °C) and then apply second layer. Place additional layers in the same manner, before the underlying layer dries completely, for the best adhesion. When finishing, take care not to overwork the material as blistering may occur.

Sprayable Application

This method of application is suitable for horizontal and vertical surfaces. In order to create the desired consistency for finishing, the amount of mixing water used should be adjusted for vertical applications. This will also allow the material to flow through the hopper gun properly. The hopper gun should be cleaned periodically throughout use, do not allow material to dry up in the hopper gun. Orifice size will vary depending on mix consistency. A larger orifice is used for splatter or rough finishes when the material is a thicker consistency. A small orifice is used for smoother finishes when the material is a wetter consistency. Determine the correct mix consistency before application starts. Deliver the product with a maximum pressure of 30 psi. Higher pressure can cause premature drying, creating a rough finish and less adhesion. Do not exceed the maximum thickness of ¼".

## Full Cure

Heritage Overlay is self-curing. Curing times will vary depending on ambient temperatures. The surface can be gently walked on approximately 24-36 hours after placement at 70 °F (21 °C). Allow for a full 5 day cure before heavy vehicular traffic.

## Limitations

Contains Portland Cement CAS #65997-15-1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, do not induce vomiting and get prompt medical attention. Also contains Sand CAS #14808-60-7. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung injury (silicosis) or cancer IARC Class 2A. Wear NIOSH approved mask for silica dust. Keep Out Of Reach Of Children. Do not apply if air and surface temperatures are not between 45 °F (7 °C) and 85 °F (30 °C) or if temperatures are subject to fall out of this range within 72 hours of application. Heritage Overlay should not be installed in areas subject to steel wheel traffic, strong chemicals, periodic water immersion, or hydrostatic pressure. Excessive moisture vapor evaporation rates can soften overlay materials and sealers, cause premature wear, discoloration, and/or lead to a complete loss of bond from the concrete slab. The cured overlay surface should be sealed for ease of cleaning, especially on interior floors. Applications greater than ¼ inch are not recommended.

