

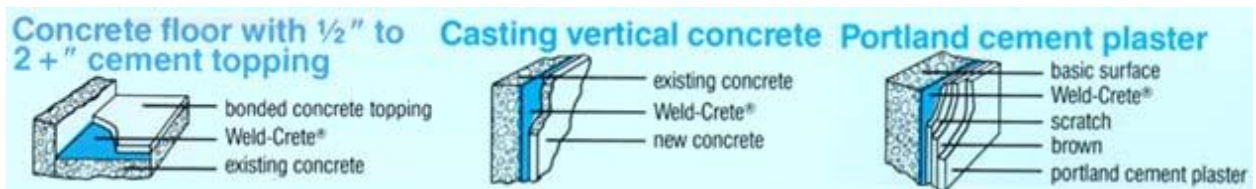
Notice: This document was originally published by Larsen's Products Corp. under the product name "Weld-Crete®." Due to an existing trademark registration for "Weld-Crete" in the Philippines, the same product is distributed in the Philippines under the name "Plaster-Weld" by E-Hsing Corp. with Larsen's authorization. All technical specifications, application instructions, and performance data in this document apply equally to Plaster-Weld. Any reference to "Weld-Crete" in the following pages should be read as referring to Plaster-Weld, as distributed in the Philippines by E-Hsing Corp.

Weld-Crete® Concrete Bonding Agent

Description: The original chemical concrete bonding agent incorporates polyvinyl acetate homopolymer in a patented formulation. Designed for exterior and interior use, Weld-Crete® will bond new concrete, portland cement plaster, and cementitious mixes to structurally sound concrete floors, walls, columns, beams, steps and ramps. Weld-Crete® can be "painted on" in a single application 1 to 10 days prior to concrete placement.



Uses : Use Weld-Crete's open time to your advantage in bonding to concrete shear walls, when you need a time lapse between application of bonding agent, placement of reinforcing steel, placement of formwork and placement of concrete. Weld-Crete® is also used for bonding setting beds for ceramic tile and for bonding portland cement plaster and stucco mixes; and to bond to such ; surfaces as brick, block, tile, marble, metal, glass block, soundly adhered paint (non-soluble in water), and silicone.



Performance & Properties. Proof is in the Results!

- **Tensile Bond Strength:**
ASTM C 932-05 (modified) (pulling apart bonded cement briquet halves).
265 psi. Avg. 14 days.
- **Flexural Bond Strength:**
ASTM C-78 (concrete beams laminated with bonding agent). 603 psi. Avg.
- **Shear Bond Strength:**
ASTM C-1059 (slant shear cylinder test). 740 psi. Avg. 14 days.
- **Temperature Range:**
ASTM C-109 (specimens brought to 35 degrees F for 1 hr., then to 310 degrees F for 2 hrs). No bond failure. Shear tests 400 psi. Avg.

- **Freeze-Thaw Stability:**
5 cycles freeze (-10 degrees F and thaw). Freeze-thaw stable.
- **Toxicity:**
Enclosed mice exposed to 30 cc volatized bonding agent for 1 hr. Non-toxic, no ill effects after 7 days.
- **Life Expectancy:**
Lab tested and field proven. Non-deteriorating bond; retains strength and flexibility.

Packaging: 55 gal. drum, 5 gal. pail, gal., and qt.

Coverage: 200 to 300 sq. ft/gallon, approximately, depending upon method of application, temperatures, porosity and texture of the substrate.

Execution and Preparation

- Surfaces to receive Weld-Crete® **MUST BE CLEAN**, free from loose material, dust, dirt, oil, grease, wax, loose paint, mildew, rust, laitance or efflorescence. If preparing an old concrete floor surface (steel trowel finish), mechanically scarify the surface and follow with an acid wash and thoroughly rinse with clean water. An economical method for cleaning concrete floor surfaces is to use a 10% muriatic acid solution followed by a thorough washing. Degreasing solvents such as Varsol are also effective.
- Surfaces to receive Weld-Crete® **MUST BE STRUCTURALLY SOUND**. On newly placed concrete floors to receive a bonded topping, give the surface a rake or broom finish. Surfaces with form-releasing agents, curing compounds, hardeners and sealers must be compatible with Weld-Crete®. Glossy painted surfaces should be dulled with an abrasive. New paint should cure 7 days before applying Weld-Crete®. Paints must be firmly adhered to the substrate. Do not apply over paints or materials that are soluble in water. Do not apply over frozen concrete or plastic surfaces. Weld-Crete® may be placed over dry or damp surfaces (eliminate all water puddles). Do not apply where hydrostatic pressure is present in the substrate. Surfaces should be inspected for excessive cracking and properly prepared prior to application of the bonding agent.
- Application of bonding agent: Apply Weld-Crete® uniformly, using brush, roller or spray, to form a continuous blue film over the entire surface. Allow one hour to

FIGURE 1:
Weld-Crete

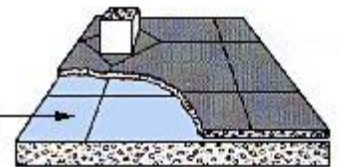
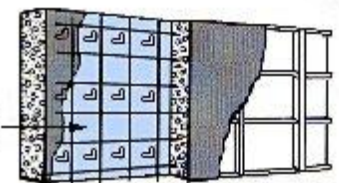


FIGURE 2:
Weld-Crete



dry. **EXCEPTION: FAST SET PATCHING CEMENTS AND GROUTS MUST BE APPLIED WHILE THE WELD-CRETE® FILM IS STILL TACKY.**

- Inspection of bonding agent: Prior to placement of cementitious topping, inspect bonding agent application for continuity of blue film over the entire bonding surface. Do not apply new concrete to frozen Weld-Crete®. Reapply Weld-Crete® over areas not satisfactorily covered. Protect the applied film from dirt and debris until the fresh concrete overlay is in place.

Weld-Crete Warranty®

Weld-Crete® is suited for the purposes described when used according to directions. Buyer agrees in purchasing this product that the Seller's liability for breach of warranty shall in no case exceed the price of the product. Because of the broad range of conditions beyond our control which may be encountered in the use of the product, Larsen Products Corp. makes no other warranty, express or implied, and no agent or other person is authorized to do so. Nevertheless, we will be glad to provide information about any type of installation you may request.



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