



---

## PLASTER-WELD®

Plaster-Weld® allows you to bond new plaster to any clean, structurally sound, interior surface. A patented formulation incorporating polyvinyl acetate homopolymer, it is the original chemical plaster bonding agent. Intended for interior use only. Plaster-Weld® allows you to plaster directly to concrete over electric radiant heat cable, and to bond cement mortar beds to smooth concrete for installation of rigid foam insulation. Concrete, brick, block, glass, ceramic tile, wallboard, metals (e.g. sheet lead in x-ray rooms) and marble are suitable surfaces. Plaster-Weld® can be used over oil or latex paints, rubber or vinyl bases, and silicone-treated surfaces.

## PERFORMANCE PROPERTIES

Data obtained from tests conducted periodically by leading independent laboratories. Test reports are available upon request.

### Tensile Bond Strength:

ASTM C-631 (pulling apart bonded cement briquet halves). In all cases failure occurred in the cementitious material, not in the bond. 385 psi. Avg. 28 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.

### Fire Resistance:

ASTM E-119 (bonded assembly). Passed 2 hr. Fire Test 1800 degrees F and 1 hr. Hose Stream Test.

### Flammability:

Meets MIL-B-19235C, non-flammable.

### Acid Resistance:

1" concrete slabs bonded to 1/2" gypsum plaster subjected to seepage of strong detergents and synthetic urine for 10 hrs. a day. No bond failure after 25 consecutive days. Also unaffected by alkalinity of cement.

### Life Expectancy:

Lab tested and field proven. Non-deteriorating bond; retains strength and flexibility.

## STANDARDS AND APPROVALS

- ASTM C 631
- Military Specification, MIL-B-19235C(YD)



- General Services Administration Specification for Bond Adhesive
- Corps of Engineers Specification CE-240.o1
- Canadian Standards CSA A261
- Approved: New York City Board of Standards & Appeal under Cal. No. 626-52-SM
- City of Los Angeles Board of Building and Safety Commissioners (Research Report No. 2463)

## AVAILABILITY AND COST

### Dealers

Plaster-Weld® is available from building supply dealers throughout the United States and Canada. Obtain local price quotations to determine costs.

### Coverage

Plaster-Weld® covers approximately 300 to 400 square feet per gallon, depending on method of application, temperatures, porosity and texture of the substrate

### Packaging

Plaster-Weld® is available in 55 gallon drums, 5 gallon pails, gallon and quart containers.

### Color

Plaster-Weld® is pink and non-bleeding.

## WARRANTY

Plaster-Weld® 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.

## OTHER RESOURCES

[LEED Information](#)

[Plaster-Weld® MSDS](#)

[Plaster-Weld® Guide Specifications](#)

[Submittal Sheet](#)

## GUIDE SPECIFICATIONS (DIVISIONS 3 AND 9)

### 1. General

- 1.1 Product Handling
  - a Deliver Plaster-Weld® to job in original container with seals unbroken and use without reducing.
  - b Materials Storage: Protect Plaster-Weld® from freezing.



- 1.2 Environmental Conditions
- a Air and surface temperatures must be above freezing during application of Plaster-Weld®.
- 1.3 Protection
- a Protect adjacent finish surfaces with masking tape, soap powder emulsion, or a commercial product, specially formulated for protective use in plastering.

## 2. PRODUCTS

- 2.1 Materials
- a Bonding Agent: Plaster-Weld®, Larsen Products Corp., Jessup, Maryland

## 3. EXECUTION

- 3.1 Surface Preparation
- a Surfaces to receive Plaster-Weld® MUST BE STRUCTURALLY SOUND AND CLEAN, free from loose material, dust, dirt, oil, grease, wax, loose paint, mildew, rust, laitance, or efflorescence. Form release agents, curing compounds, hardeners, and sealers must be compatible with Plaster-Weld®.
- 3.2 Installation
- a Application of bonding agent: Apply Plaster-Weld® uniformly using brush roller, or spray to form a continuous pink film over the entire surface. Allow to dry one hour. (NOTE: Painted surfaces must be sound, washable and firmly adhered to the substrate. Glossy painted surfaces should be dulled with an abrasive. Wait 60 days before applying bonding agent over newly painted surfaces. Application of wallpaper to newly bonded plastered surfaces should be delayed 90 days.
- b Inspection of bonding agent: Prior to applying plaster, inspect bonding agent application to assure a continuous pink film over the entire bonding surface. Reapply Plaster-Weld® over areas not satisfactorily covered.
- 3.2.1 Application One-Coat Plaster
- Apply a white skim coat of plaster 1/16 to 3/16 inch thick over Plaster-Weld® direct to concrete ceilings and other structural surfaces as shown and specified (the mixing, application and finishing of white coat shall be as specified for regular white finish coat). At contractor's option, Plaster-Weld® and a white skim coat of plaster may be applied on interior ceilings, walls, beams and columns in place of smooth or rubbed concrete surfaces as shown or specified. (NOTE: Plastering can begin immediately as soon as bonding agent is dry to the touch [allow 1 hour] or delayed a week to 10 days with no effect on bond.)
- 3.2.2 Application of Two and Three Coat Plaster
- Apply scratch coat a minimum of 3/8 inch thick over Plaster-Weld® to surfaces as shown and specified. Allow to dry 24 hours (follow with two and three coat applications). (NOTE: Minimum drying time of 24 hours between coats is important to prevent moisture in second coat from penetrating the scratch coat and flooding the bond film.)
- 3.2.3 Application of Plaster over Electric Heating Cable:
- Contact Larsen Products for Guide Specifications.
- 3.2.4 Patch Plaster Over Plaster-Weld® following work of other trades