



WELD

Adhesive for Concrete, Plaster, and Stucco

1. Product Description

a. Basic Use: Sealwall Weld is a homopolymer resin emulsion developed specifically as a bonding agent and fortifying admixture for concrete, plaster, and stucco. Weld is a long-lasting, high-strength adhesive that enables new mortar, concrete, and plaster to be successfully bonded to all concrete products, cinder block, brick, tile, wood, steel, hardboard, and other similar surfaces.

b. Features & Benefits:

- Eliminates the need for deep cutting – concrete patches containing Weld can be feather edged.
- Reduces the need to scarify or roughen the surface to achieve bond.
- Mortar mixed with Weld resists disintegration effects caused by acids.
- Non-flammable – There is no fire danger when mixing or applying, and Weld will not burn.
- Can be applied to damp or dry surfaces.

c. Typical Application: As a concrete adhesive, Weld bonds new concrete to old concrete without the necessity of laborious and tedious scarification processes. As a plaster adhesive, Weld bonds the finish plaster coat or stucco to concrete or masonry surfaces. As a concrete admixture, Weld will give the concrete a high degree of resiliency and cure to a higher tensile strength.

d. Storage: Do not freeze.

2. Packaging

Weld is packaged in a 1-quart can, 12/1-quart case, 1-gallon can, 4/1-gallon case, 5-gallon pail, and 55-gallon drum.

3. Technical Information

- 1-3 Browncoat Tensile Strength: 192 psi
- Finished Plaster Tensile Strength: 180 psi
- 1-3 Perlite Plaster Tensile Strength: 200 psi
- 1-3 Ottawa Sand Mortar Tensile Strength: 205 psi
- 1-3 Cowboy Sand Mortar Tensile Strength: 200 psi
- Neat Molding Plaster Tensile Strength: 270 psi
- Neat Portland Cement Tensile Strength: 300 psi

4. Coverage

- Bonding concrete patches and toppings: 250-400 square feet per gallon
- Bonding plaster or stucco repairs: 300-400 square feet per gallon

5. Directions for Use

a. Using Weld as a Concrete Adhesive: Clean the old concrete substrate thoroughly, removing all traces of dirt, oil, or other contaminants. Flush surface with water. Apply Weld with a brush, roller, or spray to a dampened surface. It may be thinned slightly with water to facilitate application, but maximum adhesion is obtained if it is not diluted. The surface temperature should be at least 45°F (10°C) or higher – never lower. One gallon will cover 250-400 square feet or concrete, depending on porosity of the surface and the method of application. Apply the new mortar before the Weld has dried, while it is still tacky. This is usually from 20 minutes to 1 hour after application. The strongest possible bonds are obtained by adding small amounts of Weld to the fresh mortar, in conjunction with its use at the glue or bonding line.

b. Using Weld as a Concrete Admixture: To obtain a concrete which has a high degree of resiliency and will cure to a high tensile strength, Sealwall Weld may be substituted for a portion of the liquid content of the mortar. Add one gallon of Weld per 94 pounds of cement. Dilute the Weld with an equal volume of water before blending with the dry cement.

c. Using Weld as a Plaster Adhesive: Sealwall Weld will permanently bond plasters such as gypsum acoustical plasters to concrete blocks, cinder blocks, stone, brick, concrete slabs, tile, plywood, sheet rock, rock lath, hardboard, or other similar surfaces. Sealwall Weld should not be used over water soluble films such as casein, wallpaper, inert plaster, or lime. It can be applied over damp walls, and if the substrate is a very porous cementitious surface, the surface should be purposely dampened prior to application of Weld. For maximum bond strength, apply the plaster coating to the Sealwall Weld while it is still tacky. Bond strength will deteriorate if the film of the Weld has been allowed to age excessively before application of the plaster. Frequently, a dried film of Sealwall Weld can be re-tackified by wetting it with water, unless it has cured. Curing takes place very rapidly in dry, hot, windy areas, and no amount of wetting will re-tackify a cure film. In such cases, a fresh layer of Sealwall Weld must be applied before plastering. Application temperature should be at least 45°F (10°C) or higher.

d. Note: Excellent results are possible where intermittent exposure to water is encountered. In areas that are continuously exposed to water, such as swimming pools, use Sealwall Acrylic Modifier for Cement.

6. Availability

Sealwall Weld is normally available immediately from your local distributor or it will be shipped within 4 working days upon receipt of order. Please contact your local Sealwall representative or call Sealwall Products directly for more information.

7. Warranty

Sealwall Weld is manufactured in strict accordance with the quality control standards of Sealwall Products. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.