

# K A U F M A N

PRODUCT  
INFORMATION

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## SureWeld

### Description

SureWeld is a ready-to-use, re-emulsifiable emulsion of pure polyvinyl acetate homopolymers in an aqueous solution. Additional coalescing and modifying agents are added for improved results. When applied as a bonding agent on concrete or block, this heavy-duty product effectively bonds the subsequently applied stucco, terrazzo, concrete or cement-based material to structurally sound surfaces. Because it is re-emulsifiable, the subsequent application may take place anytime within 30 days after SureWeld has been applied. The water in the topping will allow the adhesive to re-emulsify so that it will bond the two together. Tensile strength is increased by as much as 100%. SureWeld is tinted blue for easy identification of treated areas.

### Uses

SureWeld will bond white coat, gypsum plaster, Portland cement, concrete, acoustical plaster and similar material to practically any clean, structurally sound surface. It may be applied when ambient temperatures and substrate temperatures are as low as 50 °F.

Use SureWeld whenever delayed bonding action is important. When concrete surfaces are to receive both a bonding agent and steel reinforcing, it is difficult to apply the adhesive after the steel is in place. By applying SureWeld prior to placing reinforcing, many man hours are saved. Wherever form work has to be erected, apply SureWeld first to the cold joint for ease of application.

### Technical Data

Tensile Bond Strength ASTM C-1 90	380 psi.
Flexural Strength ASTM C-78	565 psi.
Shear Bond Strength	390 psi.
Freeze/thaw stability, 5 cycles	Passes
Toxicity	Non-Toxic
Fire Resistance	Non-Flammable
Viscosity @ 75 °F	1500-2200 cps.

### Specifications

MIL-B-19235C (YD)  
ASTM C-631, C-932, & C-1059, Type I

### Packaging

1 gallon plastic jug (4 per case)  
5 gallon pail  
55 gallon drum

### VOC Content

111 grams/liter or g/l

### Coverage Rates

200-300 ft<sup>2</sup>/gl. on concrete  
400-600 ft<sup>2</sup>/gl. on plaster  
Coverage will vary depending on the surface texture and porosity of existing surfaces.

### Directions

Remove all foreign matter from surface. If smooth, acid etch with 10% solution of muriatic acid and water. Follow with thorough rinsing to remove all traces of acid. Stir well and apply by paint sprayer or brush to structurally sound, clean damp surfaces until a uniform color is achieved. Dry time is usually 45 minutes to 1 hour.

SureWeld can be sprayed directly from a 55 gallon drum using a Graco King 1045 pump, w/siphon hose, 60 mesh filter, 3/8" or 1/4 " x 50' material hose, 510 gun w/RAC HD 515 to 519 tips; or similar pump, at 60 °F or above. Hand pumpable curing compound sprayers will not work. Protect from damage until covered. Dampen substrate before applying.

### Precautions

SureWeld should only be used in indoor applications. Protect from freezing. If it should freeze, allow to thaw and stir well. This is an emulsion and should always be stirred before using. Air and substrate temperatures must be above 50 °F during placing of concrete over SureWeld. Do not apply where hydrostatic pressure is present in the substrate, over frozen concrete, paint soluble in water, casein glue, and glue size or calcimine surfaces. *Read Safety Data Sheet before using.*

### Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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