



# SHEP WELD PLUS

## High Solids, Non-Yellowing Curing And Sealing Compound

### Description

Shep Weld Plus is a ready use, film forming, one-time re-emulsifiable liquid bonding agent and polymer modifier for concrete. It may be used inside or outside as a bonding agent admixture for concrete repair, leveling, grouts, thin sets and mortar beds or rubbing applications. Shep Weld Plus is an excellent surface bonder and may be used above or below grade.

### Primary Applications

Use Shep Weld Plus for concrete patching, topping, underlayments and leveling, overhead repairs, as a bond and strength improving admixture for surface repairs and rubbing mix. Use Shep Weld Plus for plaster, stucco, tuck-pointing, setting tile, tile grout, grout beds and bonding new concrete to old concrete.

### Features & Benefits

- Use as integral polymer modifier for cement mortars
- Use as a surface bonder
- Not moisture sensitive after use
- Re-emulsifiable one time only
- Not a PVA
- Inside or outside applications
- High solids copolymer emulsion
- VOC Compliant
- Not affected by many freeze-thaw cycles
- Excellent ultra violet light resistance
- Resistance to most petroleum solvents

### Directions For Use

**Surface Preparation:** All surfaces must be clean and structurally sound, free of curing compounds, sealers, form release agents, oil, grease, paint, etc. Pores of the surface must be open to permit penetration and proper bonding. Necessary surface preparation may be done by abrasive blasting, scarifying or acid etching. If acid etch is used, surface must be neutralized and brushed thoroughly. Rinse and clean thoroughly with clean water.

### Application

**Surface Bonder:** Shake Shep Weld Plus thoroughly before using. Apply Shep Weld Plus directly to the surface in thin uniform coating by brush, roller or spray. Dampen brush or roller and shake out water. Very porous or slick surfaces may require two coats. For two coat applications, apply the second coat at a right angle to the first coat, allowing the first coat to dry in between applications. One gallon of Shep Weld Plus will cover approximately 200 ft<sup>2</sup>. DO NOT apply topping until Shep Weld Plus has completely dried (clear in color). Topping should be applied within 24 hours. DO NOT mix Shep Weld Plus with water for this type of application.

**Integral Bonding Agent:** Once Shep Weld Plus has been used as an integral mix, it will not re-emulsify at all. For specific mix designs, please see chart on next page. Always do a test section before proceeding.

### Technical Data

Typical test results of Shep Weld Plus are listed below. Mix design used for these test results is 1 - 2.5 cement (Type I) and sand mix and a 1 : 1 Shep Weld Plus and water ratio (sand used meet ASTM C 33).

Compressive Strength ASTM C 109	
7 day (air-cured).....	4410 psi
28 day.....	4880 psi
Flexural Strength ASTM C 78	
7 day (air-cured).....	1361 psi
28 day.....	1591 psi
Bond Strength ASTM C 1042*	
7 day (air-cured).....	710 psi
28 day.....	890 psi

Commercial Testing Laboratory report available on request.

\*A slurry of Shep Weld Plus and cement was used. Appearance: White in liquid form, clear when dry.

### Packaging

1 gallon jugs and 5 gallon pails.

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PRODUCT INFORMATION ■ TECHNICAL DATA SHEET

*Continued on reverse side*

### Limitations

- Do not use below 45°F. Do not let freeze.

### Precautions

- Avoid contact with skin and eyes. In case of contact with eyes, flush with cold water for 15 minutes. In case of contact with skin, wash with soap and water. If irritation persists, or if swallowed, call a physician.

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### Sand/Cement Proportions With Shep Weld Plus/Water Ratio

( ) indicates measure by volume.

Mix No.	Application	Sand	Cement*	Shep Weld	Water	Coverage
1	Underlayment, topping and patching	45 lb (3-1/2 gal)	15 lb (1-1/2 gal)	1/2 gal (1/2 gal)	1/2 gal (1/2 gal)	60 sq ft @ 1/8"
2	Slurry Bond Coat	15 lb (1-1/4 gal)	15 lb (1-1/2 gal)	1 gal (1 gal)	- -	65 sq ft @ 1/16"
3	Plaster, stucco and tuckpointing	27 lb (2 gal)	13 lb (1-1/3 gal)	1/3 gal (1/3 gal)	2/3 gal (2/3 gal)	20 sq ft @ 1/4"
4	Setting & grouting tile & stone, setting bed	45 lb (3-1/2 gal)	15 lb (1-1/2 gal)	1 gal (1 gal)	- -	30 sq ft @ 1/4"
5	Plaster, stucco and tuckpointing	40 lb (3-1/8 gal)	20 lb (2 gal)	1/2 gal (1/2 gal)	1/2 gal (1/2 gal)	120 sq ft @ 1/16"

\*Assumes non-air entrained cement.