



# TAMMSWELD

## REWETTABLE LATEX BONDING FOR CONCRETE

### DESCRIPTION

TAMMSWELD is a rewettable liquid bonding agent and polymer modifier for concrete and cement mortars. TAMMSWELD is a high film build, ethylene vinyl acetate copolymer emulsion.

### PRIMARY APPLICATIONS

- Concrete
- Concrete Block
- Plywood
- Brick
- Plaster
- Hardboard
- Tile
- Gypsum Board
- Wood
- Stone
- Lath
- Interior and Exterior surfaces

### FEATURES/BENEFITS

- High build bonding agent or polymer admixture
- Improves durability
- Increases bond strength
- Long open time

### TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH

PROPERTIES	VALUE
Solids Content (by weight)	34%
Relative Density	1.03 g/cc
VOC Content	70 g/L
Viscosity	500 to 1,000 cp

### PACKAGING

TAMMSWELD is packaged in 20 kg HDPE Pails and 210 kg HDPE drums.

### SHELF LIFE

12 months in original, unopened container

### SPECIFICATIONS/COMPLIANCES

ASTM C1059, Type I

### COVERAGE

4.75 to 6.0 m<sup>2</sup>/kg on dense surfaces. Porous surfaces may require more material. Do not exceed 7.0 m<sup>2</sup>/kg.

## DIRECTIONS FOR USE

**Surface Preparation:** Surface must be clean, dry and structurally sound. The substrate must also be free of all curing compounds, form release agents and any other contaminants, which may prevent the proper adhesion of TAMMSWELD. The preferred method of surface preparation is mechanical abrasion. For oil-contaminated surfaces, using steam cleaning in conjunction with a strong emulsifying detergent may be considered. Rinse thoroughly with potable water. Allow the concrete to dry before applying TAMMSWELD.

**Application, Bonding Agent:** Stir TAMMSWELD thoroughly before use. Do not dilute. For hand application, wet brushes or rollers before use and shake out excess water. For larger areas or faster application, use airless spray equipment with 0.38 to 0.51mm orifice size spray tips. Hold spray gun 30 to 46cm from the surface and apply TAMMSWELD using a cross coat technique consisting of a horizontal pass followed by a vertical pass. Extremely porous surfaces may require two coats of TAMMSWELD. Allow the TAMMSWELD to dry before placing repair mortars, concrete, or toppings. TAMMSWELD will dry in approximately one hour depending on the temperature and humidity. If more than 7 days pass between TAMMSWELD application and placement of the concrete, topping, or mortar, check several areas to ensure adequate adhesion. Make test applications on questionable surfaces.

**Application, Polymer Modifier:** When using TAMMSWELD to produce a polymer modified mortar, add approximately 11.0 kg of TAMMSWELD per 45.4kg of cement content in the mortar material. The properties achieved by using TAMMSWELD as a polymer modifier will vary depending on the composition of the mortar, and a thorough evaluation of properties should be completed prior to using the polymer modified mix.

## CLEAN-UP

Clean tools and equipment with detergent and water immediately following use. Clean drips and over-spray with water while still wet. Dried TAMMSWELD may require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Do not use TAMMSWELD where constant moisture or hydrostatic pressure is present (swimming pools, cisterns or other areas that will be immersed).
- Do not dilute TAMMSWELD.
- Keep from freezing.
- Do not apply to frozen or frost filled surfaces.
- Do not apply if temperature is below 10°C.
- Do not over-trowel, or overwork cement mortars modified with TAMMSWELD.
- Store at temperatures between 10°C to 32°C.
- In all cases, refer the Safety Data Sheet before use.