

TAMMSWELD

REWETTABLE LATEX BONDING AGENT FOR CONCRETE

DESCRIPTION

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

PHYSICAL PROPERTY	VALUE
Unit Weight	8.9 lb/gal (4 kg/L)
VOC Content	< 10 g/L
Viscosity	500 to 1,000 cp
Bond Strength, ASTM C 1042	4,600 psi

PACKAGING

TAMMSWELD is packaged in cases of 6/1 gal (3.8 L) containers and in 5 gal (18.9 L) pails.

SHELF LIFE

2 years in original, unopened containers.

SPECIFICATIONS/COMPLIANCES

ASTM C 1059, Type I

COVERAGE

200 to 250 ft²/gal (4.91 to 6.14 m²/L) on dense surfaces. Porous surfaces may require more material. Do not exceed 300 ft²/gal (7.3 m²/L).

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 penetration 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. Lightly dampen the surface with potable water before applying TAMMSWELD.



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Application: Bonding Agent: Stir TAMMSWELD thoroughly before use. Do not dilute. TAMMSWELD will dry in approximately one hour depending on the temperature and humidity. Extremely porous surfaces may require two coats of TAMMSWELD. 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 0.015" to 0.020" (0.38 to 0.51 mm) orifice size spray tips. Hold spray gun 12" to 18" (30.5 to 45.7 cm) from the surface and apply TAMMSWELD using a cross coat technique consisting of a horizontal pass followed by a vertical pass. TAMMSWELD is formulated to provide exceptional bond when first activated by moisture. If more than 7 days pass following application, check several areas to ensure adequate adhesion. Make test applications on questionable surfaces.

Polymer Modifier: When using TAMMSWELD to produce a polymer modified mortar, add approximately 3 gal (11.36 L) of TAMMSWELD per 100 lbs (45.4 kg) 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 50°F (10°C).
- Do not over-trowel, or overwork cement mortars modified with TAMMSWELD.
- Store at temperatures between 50°F to 90°F (10°C to 32°C). Protect from freezing.
- In all cases, consult the Material Safety Data Sheet before use.

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