BONDING AGENTS AND ADHESIVES

Master Format #: 03 05 00

TAMMSWELD

REWETTABLE LATEX BONDING AGENT FOR CONCRETE

EUCLID CHEMICAL

PACKAGING

1 gal (3.8 L) jug (6 per case)
Code: THHWJ01

5 gal (18.9 L) pail
Code: THHWP05

APPROXIMATE 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).

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.

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- ASTM C1059, Type I

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

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

PRIMARY APPLICATIONS

- Concrete
- Brick
- Tile
- Stone
- Concrete block
- Plaster
- Gypsum board
- Lath
- Plywood
- Hardboard
- Wood
- Interior and exterior surfaces

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Physical Property	Value
Solids Content (by weight)	34%
Unit Weight, Specific Gravity	8.9 lbs/gal, 1.07
VOC Content	< 5 g/L
Viscosity	500 to 1,000 cp

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 0.015 in. to 0.020 in. (0.38 to 0.51 mm) orifice size spray tips. Hold spray gun 12 to 18 inches (30 to 46 cm) 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 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.

PRECAUTIONS/LIMITATIONS

- These instructions do not dictate mechanical surface preparation required prior to ready-mix concrete toppings. This product is not intended to excuse or replace proper mechanical surface preparation. Please refer to ACI 302 Section 4.3.2 and Table 4.1, along with the project engineer for guidance on proper surface preparation for ready-mix concrete toppings.
- 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).
- In all cases, consult the Safety Data Sheet before use.