



# TECHNICAL DATA

## PDS No. 0764 WALL-NU TROWELABLE

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### SELECTION DATA

GENERIC TYPE: Amido-Amine Epoxy

**PRODUCT DESCRIPTION:** Wall-Nu Trowelable is a 100% solids trowelable mastic material suitable for patching, coving, lining, adhesive bonding and underlayment for construction, maintenance, and marine use. Wall-Nu Trowelable, once properly cured, creates a very strong bond to a wide variety of substrates including wood, concrete, masonry, metal, fiberglass and glass. Applied up to 1" thick on vertical surfaces, it is completely non-shrinking, non-brittle and has an expansion coefficient similar to concrete. It dries to a hard, water tight barrier that may be wet sanded, drilled or filed, if desired. It resists spillage of many acids and alkalis, and is formulated to perform well in corrosive or elevated temperature exposures. An all purpose mastic epoxy, Wall-Nu Trowelable has been found acceptable by the U.S.D.A. for use as a coating for application to structural surfaces where there is a possibility of incidental food contact in food processing or packaging facilities.

**RECOMMENDED FOR:** May be used for tuckpointing, leveling, coving, patching and resurfacing. Use to alter walls, floor or ceiling topography in order to obtain a smooth or contoured surface. For use in areas where a chemical, water or corrosion resistant barrier is needed for patching and repairing structural cracks, spalls, swimming pools, tanks and secondary containment areas. Withstands water immersion service up to 180°F. When using as cove base add Steelcote Stop Flow.

**NOT RECOMMENDED FOR:** Do not apply in temperatures below 50°F. Do not thin material. Not for use in areas subject to flexing or torsion; use Wall-Nu Flexible.

### PHYSICAL PROPERTIES

<b>RESISTANCE TO:</b> (Splash & Spillage)	Acids: Good Alkali: Excellent Salts: Excellent Solvent: Fair Water: Excellent
<b>VOLUME SOLIDS:</b>	100%
<b>WEIGHT SOLIDS:</b>	100%
<b>MIX RATIO, WEIGHT:</b>	1 Part B to 1 Part A
<b>MIX RATIO, VOLUME:</b>	1 Part B to 1 Part A
<b>FLASH POINT:</b>	>200°F. (93°C.) TCC
<b>POT LIFE:</b>	1 Hour Min. @77°F (25°C)
<b>SHELF LIFE:</b>	1 Year, Minimum
<b>THINNER - REDUCTION:</b>	Not Recommended
<b>THINNER - CLEAN UP:</b>	Steelcote T-175
<b>APPLICATION TEMPERATURE:</b>	50° - 95°F. (10° - 35°C.)
<b>SERVICE TEMPERATURE:</b>	250°F. (121°C.) Continuous
<b>GLOSS:</b>	Low Gloss
<b>COLOR:</b>	Gray or Off-White
<b>PACKAGING:</b>	½ and 2 Gallon Units
<b>WEIGHT PER GALLON:</b>	12.51 lbs(5.69 kg) +/-2%
<b>V.O.C. (Volatile Organic Compound):</b>	0

### COVERAGES

**THEORETICAL COVERAGE:** 231 cubic inches per gallon

**THEORETICAL AREA COVERAGE:**

12.65 sq. ft. per gal. at 1/8"

Cove 1" X 1" = 29 linear feet/gallon

**MAXIMUM FILM THICKNESS:**

1/2 inch (12,500 microns) per coat  
up to 1" vertical with Stop-Flow added.

1" for coving.

### DRYING TIME

@ 77°F. (25°C.) 50% RH

<b>TO TOUCH:</b>	8 Hours
<b>TO RECOAT:</b>	24 Hours
<b>FOR TRAFFIC:</b>	24-48 HOURS
<b>FINAL CURE:</b>	7 Days

### RECOMMENDED FINISH COATS\*

Two-Package Urethane:	Epo-lux 595 and 520
Epoxy-Polyamide:	Epo-Lux 221 and 166
Epoxy-Amine or multi functional:	Epo-Line 161, 164, 165

\*In severe immersion environments, sanding Wall-Nu Trowelable before topcoating is recommended.

## SURFACE PREPARATION

**TO CONCRETE OR MASONRY:** Allow concrete to cure a minimum of twenty-eight (28) days at 60°F. (15°C.). For proper bonding, apply over a clean, dry, sound surface. Remove any existing oil, grease, wax, dirt, loose or foreign matter by washing with a solution of Steelcote 215 or Tri-Sodium Phosphate (TSP) and warm water. Flush with clean water and allow to dry. Obtain "tooth" and remove any existing laitance on concrete floors by dry abrasive blasting with 30/40 mesh silica sand or etching with a solution of Steelcote Clean & Etch per label instructions. If etching, neutralize with a solution of two- (2) cups aqua ammonia per five (5) gallons of water. Flush clean with water and allow to dry thoroughly. For new or clean concrete floors, dry abrasive blasting or etching alone is adequate. For filling or repairing cracks, spalls, or small holes, etching or sandblasting is not needed. Apply Wall-Nu Trowelable per label instructions. Topcoat at the appropriate time with the Steelcote recommended finish coat. Clean all tools and equipment with Steelcote T-175 after use.

**TO STEEL:** Surface must be clean, dry, sound and free from all oil, grease, wax, loose rust and foreign matter. For steel used in non-immersion service, surface should be degreased by solvent wiping with Steelcote T-175 in accordance with SSPC-SP1 specification. Remove any existing loose rust, mill scale, or foreign matter by hand or power tool cleaning in accordance with SSPC-SP2 or SSPC-SP3 specification.

**FOR SEVERE ENVIRONMENTS:** Surface should be dry abrasive blasted to a Commercial finish (SSPC-SP6). If any grease, oil, or wax is present prior to blasting, remove by solvent wiping (SSPC-SP1). Dry abrasive blast in order to remove at least two-thirds (2/3) of all visible rust, mill scale, paint and other foreign matter from each square inch of surface. Blast to a 2-3 mil profile, minimum, for proper adhesion. After sandblasting, remove all sand, dust and grit by sweeping and/or vacuuming. Apply Wall-Nu Trowelable per label instructions as soon as possible after sandblasting and always before any flash-rusting can occur. Topcoat at the appropriate time with the Steelcote recommended finish coat. Clean all tools and equipment with Steelcote T-175 after use.

**NOTE:** For immersion environments follow the surface preparation procedures outlined for severe environments. However, dry abrasive blast to a white or near-white finish in accordance with SSPC-SP5 or SSPC-SP10 specification in order to remove all or at least 95% of all rust, mill scale, paint, and other foreign matter from each square inch of surface. After applying Wall-Nu Trowelable and allowing it to cure, lightly sand the surface before topcoating.

**TO FIBERGLASS:** For proper bonding, apply over a clean, dry, sound surface. Remove any existing oil, grease, wax, dirt, loose or foreign matter by washing with a solution of Steelcote 215 or Tri-Sodium Phosphate (TSP) and warm water. Flush thoroughly with clean water and allow to dry. Abrade surface by hand or power sanding using 3/0 abrasive or specified sandpaper in accordance with SSPC-SP2 or SSPC-SP3 specification. Remove any dust and wipe with Steelcote T-175. Apply Wall-Nu Trowelable per label instructions. Topcoat at the appropriate time with the Steelcote recommended finish coat. Clean all tools and equipment with Steelcote T-175 after use.

**TO WOOD:** Surface must be clean, dry, sound and free from all oil, grease, wax, moisture, loose and foreign matter. Remove surface deposits, sap or pitch by scraping, followed by wiping with Steelcote T-175. Sanding with medium grit sandpaper in accordance with SSPC-SP3 specification is recommended. Apply Wall-Nu Trowelable to the surface per label instructions. Wall-Nu Trowelable may be used to repair loose boards, gaps and holes in wood. Topcoat at the appropriate time with Steelcote recommended finish coat.

## APPLICATION EQUIPMENT

**TROWEL:** Use a clean, stainless steel trowel or spatula of the desired shape or dimensions necessary. A flat mixing board is recommended for proper mixing. Steelcote T-212 Troweling Liquid may be used for final trowel finish for easier, faster, and smoother application.

6/03  
PDS 0764  
WALL-NU TROWELABLE Page 2

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