

## COMMERCIAL APPLICATIONS CURB RAMP/PEDESTRIAN CROSSING



### USE OF CHEM LINK M-1® ADHESIVE/SEALANT TO INSTALL ADA TACTILE WARNING SURFACE & WAYFINDING PANELS

ADA Solutions, Inc. offers the most complete and cost effective composite Tactile Warning Surface (TWS) and Wayfinding Product line in the industry. ADA is the World Wide market share leader. ADA offers Surface Applied (SA) TWS Panels, Cast-In-Place (CIP) TWS Units, and Replaceable (REP) TWS Units to meet your project requirements. ADA TWS Panels offer outstanding long-term performance, are slip resistant, offer superior long-term color stability, and can be installed with a minimum of effort under a wide variety of conditions. ADA TWS Products comply with ADAAG, PROWAG, ADA/ABA and CA Title 24 (CBC). ADA recommends the use of Chem Link M-1® Adhesive / Sealant for installation of its tactile Warning Surface and Wayfinding products.



#### PRODUCT DESCRIPTION

M-1® Adhesive/Sealant is a one-part, low odor, fast skinning (20 minutes), trowel applied/gun grade, high strength 100% solids polyether based adhesive which will provide a tenacious bond between ADA Tactile Warning Surface and Wayfinding Product line and any properly prepared underlying concrete substrate. M-1® Adhesive/Sealant is solvent free, VOC compliant and will not outgas or bubble on damp surfaces. M-1® Adhesive/Sealant can also be used as a perimeter sealant for ADA TWS Panel installations. Application of the M-1® Adhesive/Sealant results in a superior architectural finish for the ADA TWS Panel, as well as creating a consistent beveled finish between the ADA TWS Panel and adjacent substrate.

#### PRODUCT USES

- For interior or exterior use
- High performance adhesive used for installation of ADA Tactile Warning Surface (TWS) Panels

#### SUITABLE SUBSTRATES

- ADA Tactile Warning Surface and Wayfinding Panels
- Concrete
- Wood

#### SURFACE PREPARATION

Surface must be clean, damp or dry and smooth; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond.

#### Typical Physical Properties

V.O.C. Compliant	Less than 17 grams/liter
Color	White, Gray
Weight	11.7 lbs per gallon
Hardness	45 ± 3 Shore A Type
Flash Point	N/A
Shear Strength	390 PSI
Elongation	525%
Low Temp Flex	-10° F
Cure Time	24 hours
Service Temperature	
Normal Use	-40° F to 200° F
Continuous Immersion	120° F

#### APPLICATION

Install ADA Tactile Warning Surface and Wayfinding Products in accordance with guidelines contained within ADA TWS Panel Installation Guide. In general, the following application guidelines are applicable to all projects:

- Curb Ramp/Pedestrian Crossing Applications: (Partial Adhesive Coverage)* On the reverse side of the TWS Panel, apply a 3/8" bead of adhesive on the flat "framework" surfaces of the TWS Panel exclusive of the "bosses." Installer is cautioned to apply adhesive so that excessive amounts will not squeeze out from underneath ADA TWS Panel.
- Commercial Applications: (Full Coverage Adhesive)* On the reverse side of the TWS Panel, apply full coverage adhesive using a 3/16"x3/16" or 1/4"x1/4" square notch trowel. Full coverage adhesive is necessary for commercial applications subject to heavy loading conditions. Installer MUST leave a 1/8" wide space between successive ADA TWS Panels.

#### Green Standards:

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content at 240° F: less than 17 grams/liter (including water), ASTM D2369, EPA Method 24

## CURING

ADA Tactile Warning Surface and Wayfinding Products are installed using a combination of mechanical fasteners and M-1® Adhesive/Sealant. Generally, adhesive encapsulated under ADA TWS Panel will cure within 24 hours of placement. Given the use of fasteners, ADA TWS Panel can immediately be subjected to pedestrian traffic – even while the adhesive cures.

## CLEAN UP

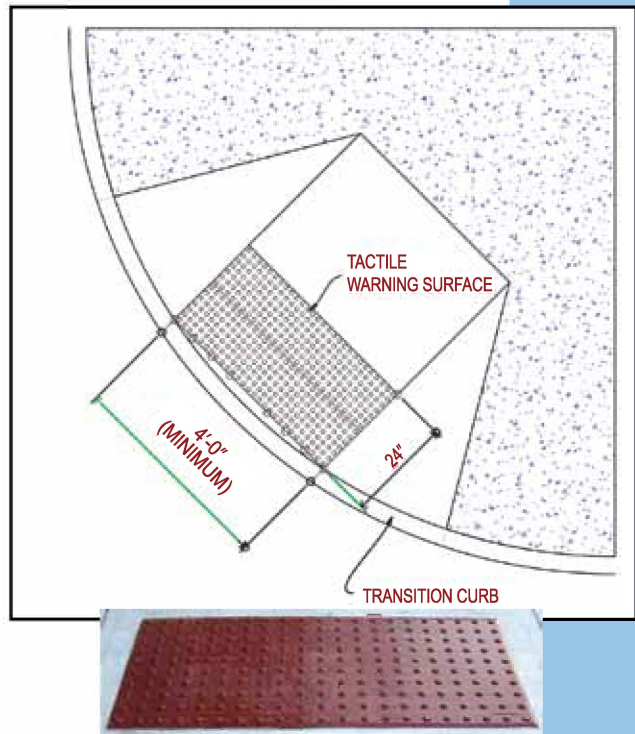
Clean all tools, equipment, and ADA TWS Panels with Isopropyl Alcohol before material cures. Cured M-1® Adhesive/Sealant is difficult to remove.

## STORAGE/SHELF LIFE

Store at or below 80°F (27°C). Shelf life is 12 months for cartridges and 3 months for pails. (Skinning will occur after 3 months)

## COVERAGE

- Five Gallon M-1® Adhesive/Sealant: 45-60 sq/ft gallon dependant on substrate condition.
- 10.1 oz. Adhesive Cartridges: 1 cartridge per 10 sq/ft ADA TWS Panel.



## LIMITATIONS

- Temperature: Apply adhesive only when ambient and substrate temperature will exceed 40° F for at least 6 hours per 24 hour period.
- Moisture/Wetness: Damp conditions are acceptable. Do not apply adhesive over wet (standing water), contaminated, or friable substrates.
- Asphalt: Do not apply adhesive or install ADA TWS Panel over bituminous substrate. Given the extreme movement and/or “softness” of such substrates, TWS Panel delamination (ADA TWS Panel with adhesive and some asphalt attached) can be expected over the short to medium term. Application of ADA TWS Panel and adhesive over asphalt substrate voids all warranties stated or implied.



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## LIMITED WARRANTY

Read and ensure that the most up-to-date MSDS and technical guidelines are being followed. Proper use and application are the responsibility of the applicator. Direct any questions to Technical Services at 800-826-1681 prior to starting the project.

## IMPORTANT NOTICE

Except where prohibited by law, Chem Link makes no warranties, expressed or implied, statutory or otherwise, including but not limited to, any implied condition or warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether this Chem Link product is fit for a particular purpose and suitable for user's method of application.

## LIMITATIONS OF REMEDIES AND LIABILITY

If this Chem Link product is proved to be defective, the exclusive remedy at Chem Link's option shall be to refund the purchase price of or to repair or replace the defective Chem Link product. Chem Link shall not otherwise be liable for loss of damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability.