



## DATA SHEET NO. 5126-000

### CLAY-TITE™ ADHESIVE Water-Based Acrylic Adhesive

#### DESCRIPTION

CLAY-TITE ADHESIVE is a water-based, acrylic adhesive containing emulsified bentonite. It is easy to apply using a trowel or putty knife. The product bonds strongly to various substrates, including concrete and waterproofing membranes, such as CLAY-TITE from W. R. MEADOWS.

#### USES

CLAY-TITE ADHESIVE is used to fill cracks and voids in walls and pipe penetrations, to fill inside corners between vertical and horizontal transitions, to fill voids and adhere WATERSTOP EC from W. R. MEADOWS to construction joints, and to seal joints and overlaps in applications of CLAY-TITE. CLAY-TITE ADHESIVE forms a strong adhesive barrier, helping create a seamless installation for these products. For installations with shotcrete or lagging, CLAY-TITE ADHESIVE protects CLAY-TITE from damage caused by this type of application.

#### FEATURES/BENEFITS

- Easy to apply.
- Bonds strongly to various substrates.
- Ensures a complete, seamless CLAY-TITE waterproofing installation.
- Also compatible with WATERSTOP EC.

#### PACKAGING

887 mL (30 Oz.) Cartridges (9/Cartron)  
7.6 L (2 Gal.) Units  
18.9 L (5 Gal.) Pails

#### SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within two years of date of manufacture.

#### TECHNICAL DATA

Physical Properties	Test Method	Value
Colour	-	Gray/White
Odour	-	Mild
<b>Uncured</b>		
Flow, Sag, Slump	ASTM 2202	100 mm (3.9")
Specific Gravity	-	1.1
Sodium Bentonite	-	15 - 20% by Weight [0.16 kg/L (1.3 Lb./Gal.) of Water]
Solids by Weight	-	40%
VOC	ASTM D3960-92	0 g/L
Tack-Free Time	Field Testing	30 mins
Full-Cure Time	-	12 - 24 hrs
Installation Temperatures	ASTM D746	0° - 50° C
<b>Cured</b>		
Adhesive Strength	ASTM D1004	100 N (25 lb.)
% Elongation at Break	ASTM D412	125%
Hardness	ASTM D2240 Procedure A	~90 Shore A
Unrestricted Expansion	-	100%
Absorption	-	
Resistance to Hydrostatic Head	ASTM D751 Procedure A	30 m (100') of water
Vapor Permeability	ASTM D5084	1 x 10 <sup>-9</sup> cm per sec
Functional Temperatures	ASTM D746	-25° to 50° C

#### APPLICATION

**CLAY-TITE Application Method ...** For detailed instructions, refer to CLAY-TITE BLINDSIDE INSTALLATION GUIDELINE available at [www.wrmeadows.com](http://www.wrmeadows.com). Guidelines are available for blindside, backfilled wall, and underslab applications.

**WATERSTOP EC Surface Preparation ...** Surface must be free of all debris and standing water. Dusty, damp, or uncured surfaces are suitable for application.

**WATERSTOP EC Application Method ...** On smooth surfaces. Apply a bead at 3.2 - 6.4 mm (1/8" - 1/4") along the joint. On non-smooth surfaces, knock down protrusions greater than 12.7 mm (1/2") and use CLAY-TITE ADHESIVE to fill voids. Apply WATERSTOP EC into uncured CLAY-TITE MASTIC and nail every 381 mm (15") o.c. with powder-actuated or hand-driven concrete nails (2.54 cm or 1" shank) with washer (15 - 23 mm or 5/8" - 13/16"r). Butt ends and fill gap between adjacent pieces for a continuous application.

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**Cleanup ...** Use soap and water on uncured material.

**PRECAUTIONS**

Protect from moisture. Do not freeze.

**MASTERFORMAT NUMBER AND TITLE**

07 17 16 - Bentonite Composite Sheet Waterproofing

**LEED INFORMATION**

May help contribute to LEED credits:

- MRc9: Construction and Demolition Waste Management
- EQc2: Low-Emitting Materials [For Healthcare and Schools (exterior-applied products) ONLY]

**For further LEED information and SDS, visit**

[www.wrmeadows.com](http://www.wrmeadows.com).

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