

SimplyClay Mastic Adhesive

Exterior Below-Grade Commercial Bentonite Waterproofing System

Description

SIMPLY-CLAY Mastic Adhesive is a water-based acrylic adhesive containing 15-20% emulsified bentonite. It is soft/malleable for an easy application with either a trowel or putty knife from a bucket. SIMPLY-CLAY Mastic will cure to form a strong bond to concrete, SIMPLY-CLAY 600, 1000 and 1500 waterproofing membranes, SIMPLY-CLAY WaterStop and woven or non-woven materials.

Uses

SIMPLY-CLAY Mastic Adhesive has multiple applications. It 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 SIMPLY-CLAY WaterStop to construction joints, and to seal the seams in SIMPLY-CLAY 600, 1000 and 1500 waterproofing membranes. SIMPLY-CLAY Mastic Adhesive will cure to form strong adhesive barrier in these applications. For static construction joints in concrete footings, walls, floors, tunnels, parking and plaza decks. SIMPLY-CLAY Adhesive seals and bonds SIMPLY-CLAY WaterStop in place, filling voids in the concrete surface while preventing displacement of the SIMPLY-CLAY sheets during the concrete pour.

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE SAFETY DATA SHEET (SDS) AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.

Installation

For specific installation guidelines, please contact our distributor, a Simply Waterproofing Representative, or visit our website at www.SimplyWaterproofing.com for details.

SIMPLY-CLAY 600, 1000 and 1500 Seam: On difficult projects, particularly shotcrete or lagging, SIMPLY-CLAY Mastic Adhesive will protect SIMPLY-CLAY 600, 1000 or 1500 Seams from damage by the Shotcrete. Lay a 3/8" to 1/2" bead of SIMPLY-CLAY Mastic Adhesive under the seam. Press the waterproofing membrane into the uncured Adhesive and fasten every 8" (20 cm) o.c. with staples (1 1/4" crown and 3/4" legs or 3 cm crown and 2 cm legs). Add a 3/8" to 1/2" bead of SIMPLY-CLAY Mastic Adhesive to the joint and spread 1" on both sides

SIMPLY-CLAY WaterStop: Examine all surfaces prior to starting application. Dust may be present; however all debris and standing water must be removed. Installation may proceed on uncured damp surfaces. If surface is smooth, lay a 1/8" to 1/4" bead of SIMPLY-CLAY Mastic Adhesive along the joint. If surface is irregular, knock down protrusions greater than 1/2" and use SIMPLY-CLAY Mastic Adhesive to fill any voids.

Press SIMPLY-CLAY WaterStop into uncured Adhesive and nail every 15" (38 cm) o.c. with powder-actuated or hand-driven concrete nails (1" or 2.54 cm shank) with washer (5/8"-13/16" or 15-23 mm). Butt ends and fill the gap between adjacent pieces for a continuous application.

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Simply-Clay Mastic Adhesive Typical Physical Properties

Property	Method	Results
Color		Grey/White
Odor		Mild
Uncured:		
Flow, Sag, Slump	ASTM 2202	10 cm
Specific Gravity		1.1
Sodium Bentonite		15-20% by weight (1.3 lbs per gal of water)
Solids by Weight		40%
VOC	ASTM D3960-92	None - Solvent Free
Tack Free Time	Field Testing	30 mins
Full Cure Time		12 to 24 hrs
Installation Temperatures	ASTM D746	32°F to 120°F (0°C to 50°C)
Clean up		Soap and Water
Cured:		
Adhesive Strength	ASTM D1004	25 lbs (100 N)
% Elongation at Break	ASTM D412	125%
Hardness	ASTM D2240 Procedure A	~90 Shore A
Unrestricted Expansion		100%
Absorption		175%
Resistance to Hydrostatic Head	ASTM D751 Procedure A	100 ft. (30 m) of water*
Vapor Permeability	ASTM D5084	1 x 10 ⁻⁹ cm per sec
Functional Temperatures	ASTM D746	-15°F to 120°F (-25°C to 50°C)

Packaging

5 gallon buckets-sold each, 2 gallon pails-sold each and 30 oz. caulking tubes-sold 9 per box. .

Storage

Protect from moisture. Store on skid or pallet, cover with polyethylene or tarp. Do not freeze.

Availability

Available world-wide through authorized distributors. Contact us for details.

Limitations

Keep Simply Clay Mastic Adhesive protected from the elements and from freezing. When cured, Simply Clay Mastic Adhesive is resistant to most contaminants in soil. Please contact Simply Waterproofing for compatibility testing.

Limited Warranty

Simply Waterproofing Products warrants its products will be delivered free of defects in materials and workmanship. Simply Waterproofing will replace the material or refund the purchase price. Simply Waterproofing makes no other warranty, including an implied warranty of merchantability or fitness for a particular purpose. Simply Waterproofing shall not be liable for any other loss or damage. Contact Simply Waterproofing to discuss specific details for extended warranty periods.

SYMPLY WATERPROOFING products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For Technical Support contact Simply Waterproofing via email at: info@simplywaterproofing.com or visit www.simplywaterproofing.com.