

# HEAVY DUTY CONSTRUCTION ADHESIVE

POLYURETHANE

**Bostik**

**BOSTIK HOME**

## PRODUCT DESCRIPTION

Bostik Home Heavy Duty Construction Adhesive (HDCA) is a one-component, moisture cure polyurethane that is specifically engineered for subfloor and floor joist assemblies, from site erected structures to factory constructed modular and mobile homes.

## APPLICABLE STANDARDS

- ASTM D3498, APA AFG-01, ASTM C557 and HUD UM-60A
- CARB and OTC Compliant
- VOC Compliant
- PFS Tested and Approved

## APPLICATIONS

- Adhesion to subfloor assemblies (plywood, OSB)
- Bonding to wet, frozen, or treated lumber
- Stair treads, patio decks, furring strips, slate and wood floors
- May eliminate squeaks and nail pop-ups when used in conjunction with mechanical fasteners

FEATURES	BENEFITS
Minimal odor Easy gunning Low solvent formula	Installer friendly Requires less effort from user Minimal shrinkage, will not damage foam More product for your money
Moisture reactive	Multi-environmental climate use

## LIMITATIONS

- Porous substrates may absorb components of adhesive. Test for satisfactory adhesion results (see ASP)
- Lower relative humidity and temperature will extend curing time
- Until the adhesive is fully cured, do not expose to mechanical stresses
- Not recommended for immersion in water or other liquids
- Not recommended for direct contact with traffic

## TYPICAL UNCURED PROPERTIES *(not for specification purposes)*

Property	Value	Test Method, Notes
Skin Time (ambient conditions)	60 min.	Bostik Test Method
Extrusion Rate (70°F, 50 psi)	185 g/min.	ASTM C603, Modified
Sag Test <sup>1</sup>	Pass	ASTM C639, Modified
Frozen Lumber Adhesion	Good	ASTM D3498
Shrinkage	Negligible	Bostik Test Method
Wetting on Lumber:	Good	ASTM D3498
Frozen	Good	ASTM D3498
Wet	Good	ASTM D3498
VOC Content	115 g/L	EPA Method 24
Chemical Type	Polyurethane	Premium
Solids	95 ±2%	Mathematical Calculation
Weight/gallon	15 lbs.	ASTM D1475
Flash Point	135°F (57°C)	ASTM D3828

<sup>1</sup> 1/4" x 1/4" square notched trowel configuration



SUB-FLOORS    DECKS    MOLDINGS    BASEBOARDS    STAIRS    WALLBOARDS



**STORAGE • PACKAGING • SHELF LIFE**

Shelf life of Heavy Duty Construction Adhesive must be checked prior to using the product; do not use nine months beyond the date of manufacturing found on the packaging. Adhesive past its shelf life may not perform or adhere as described by this data sheet. High temperature and high relative humidity may reduce significantly the shelf life of the adhesive. If you are unsure of the expiration date of your Bostik product, please call customer service at 1-888-603-8558 to check if the product is still within its shelf life.

**AVAILABILITY**

Available from authorized Bostik distributors. Go to [www.bostik-us.com](http://www.bostik-us.com) and check on our distributor locator for the closest distributor in your location or call customer service at 1-888-603-8558.

**HEALTH AND SAFETY**

Please refer to the MSDS for First Aid Information. Most current MSDS's can be found on Bostik's website at [www.bostik-us.com](http://www.bostik-us.com) or call customer service at 1-888-603-8558.

**TECHNICAL SERVICE**

TECH SERVICE phone number: 1-800-523-2678. Field visits by Bostik personnel, Bostik manufacturer representatives or Bostik authorized distributor personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

**WARRANTY –IMPORTANT NOTICE**

All statements, technical information and recommendations set forth herein are based on tests which Bostik believes to be reliable. However, Bostik does not guarantee their accuracy or completeness. The buyer and/or user should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik's order acknowledgment. Bostik's limited warranty warrants that the product conforms with Bostik written specifications within the Bostik Quality Release Specification, and is free from defects at the time it leaves Bostik's control. For details about Bostik's GoldSeal Warranty Program, contact your Bostik representative. **BOSTIK DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED AND/OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL BOSTIK BE LIABLE FOR DIRECT, CONSEQUENTIAL ECONOMIC OR OTHER DAMAGES.**

Manufactured by:  
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R1-12/02/05

# HEAVY DUTY CONSTRUCTION ADHESIVE

**POLYURETHANE**

**TYPICAL CURED PROPERTIES<sup>2</sup> (not for specification purposes)**

Property	Value	Test Method/Note
Oxidation Resistance	Good	ASTM D3498
Tensile Strength	430 psi	ASTM D412
Lap Shear Strength <sup>3</sup>		440 psi ASTM D3498
Out-gassing from Cure Process	Negligible	Bostik Test Method

<sup>2</sup> After 14 day cure at 77°F and 50% Relative Humidity

<sup>3</sup> 100% Cohesive Failure

**INSTALLATION**

- In general, more movement can be accommodated using a thin bead of adhesive than with a thick bead. Depth should be no thinner than 1/4" and less than 1/2"
- Surfaces must be clean, dry and free of contamination
- Generally, Bostik Home HDCA does not require primer
- It is the responsibility of the end user to assess fitness for use
- Bostik Home HDCA is ready to use. Puncture foil seal inside nozzle. Gun adhesive into the joints, avoiding air entrapment and gaps. Apply positive pressure and tool after gunning to assure proper wetting of sealant to the adjoining building materials

**MANDATORY ADHESION TO SUBSTRATES PRETEST— (ASP)**

Construction substrates have become complex and diverse by nature and origin. Substrate chemistries and structures can interfere with adhesive performance, Therefore, an Adhesion to Substrate Pretest (ASP) is mandatory to assess adhesion and sealing characteristics. This must be performed prior to installation to avoid potential failures and warranty issues. Call Bostik Technical Service for more information about ASP, surface preparation, and possible priming.

**CLEAN UP**

Dry wipe uncured material prior to the adhesive skinning. The use of Bostik® Hand & Tool Towels can facilitate faster removal of uncured adhesive. Cured adhesive is extremely difficult to remove without destruction of the adherend.

**COLOR**

Mustard

**PACKAGING**

10.1 oz. Cartridges	12 Cartridges/Case
28 oz. Cartridges	12 Cartridges/Case

**SUB-FLOORS**

**DECKS**

**MOLDINGS**

**BASEBOARDS**

**STAIRS**

**WALLBOARDS**