



No More Nails® Heavy Duty Construction Adhesive

DESCRIPTION

LePage® No More Nails® Heavy Duty Construction Adhesive is a premium quality, heavy duty, gap-filling adhesive for both indoor and outdoor projects. It has an extremely high tack, which eliminates the need for nails and screws in many DIY and repair jobs. No More Nails Heavy Duty is weather resistant and paintable. This adhesive has a very low odour, and requires only soap and water to clean up, making it safe, easy to use, and environmentally friendly.

Available as:

Item #	Package	Size
2048231	Plastic Cartridge	266 mL

FEATURES & BENEFITS

- High Instant Grab – No Clamping Required
- Water & Weather Resistant
- Water-Based Adhesive - Low Odour and Easy Clean-Up
- Paintable once fully cured

RECOMMENDED FOR

LePage No More Nails Heavy Duty Construction Adhesive bonds wood, plywood, pressure-treated lumber, aluminum, cork, foam board, ceramics, plaster, brick, concrete, chip board, PVC (rigid plastic), polystyrene and polyurethane foam coverings. It is ideal for medium to heavy DIY projects, such as: installing decorative mouldings, chair rails, crown moulding, baseboards, ceramic tiles, wood decking, fencing, siding, sub-floors and much more.

LIMITATIONS

Not Recommended for use on:

- Garden walls, retaining walls or landscaping projects
- Mirrors and metals that will corrode
- Natural marble (causes staining)
- Continuously wet areas or water immersion and applications exposed to hydrostatic pressure
- Polyethylene, polypropylene, nylon or polytetrafluoroethylene (PTFE) / Teflon®
- Cement board (Durock®)

COVERAGE

For a 266 mL (10 fl. oz.) cartridge:

- A 6 mm (1/4") bead extrudes approximately 8.4 m (27.6 ft)
- A 9.5 mm (3/8") bead extrudes approximately 3.7 m (12.2 ft)



TECHNICAL DATA SHEET

Revision: 10/19/2021
Supersedes: 03/19/2015
Ref. #: 543627

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	White	<u>Application Temperature:</u>	Apply and cure above 10°C (50°F)
<u>Appearance:</u>	Thixotropic Solid	<u>Odor:</u>	Minimal/ Acrylic
<u>Base:</u>	Synthetic Latex	<u>Open Time:</u>	15 minutes* @ 25°C (77°F) and 50% R.H
<u>pH</u>	8.5	<u>Repositioning Time:</u>	15 minutes* @ 25°C (77°F) and 50% R.H
<u>% Solids:</u>	64.5%	<u>Initial Dry Time:</u>	12 hours* @ 25°C (77°F) and 50% R.H
<u>Specific Gravity</u>	1.345	<u>Initial Tack:</u>	24 - 30 g/cm ²
<u>Viscosity:</u>	2,500,000 mPa.s	<u>Extrusion:</u>	77 lbs. @ 23°C (73°F)
<u>VOC Content:</u>	0.1% by weight CARB 27 g/l SCAQMD	<u>Cure Time:</u>	Most applications achieve full strength in 12 hours. Applications on low porosity surfaces may take 7 days or longer to achieve full strength*
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)	<u>Clean Up:</u>	Clean tools and adhesive residue immediately with soapy water. Cured adhesive may be carefully cut away with a sharp-edged tool.
<u>Lot Code Explanation:</u>	YYDDD YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 19061 = 61st day of 2019 = March 2, 2019		

*Time is dependent upon temperature, humidity, porosity of substrate and amount of adhesive used.

Typical Cured Performance Properties			
<u>Color:</u>	White	<u>Service Temperature:</u>	-18°C (0°F) to 50°C (122°F)
<u>Cured form:</u>	Non-flammable solid	<u>Water Resistance:</u>	Yes, when fully cured
<u>Sandable:</u>	No	<u>Paintable:</u>	Yes, once fully cured
<u>Shear Strength:</u>	ASTM D3498	<u>Shear Strength:</u>	ASTM C557
Wet Lumber:	1.41 N/mm ² (204 psi)	24 hours @ 23°C:	0.24 N/mm ² (35.6 psi)
Frozen Lumber:	1.03 N/mm ² (150 psi)	14 days @ 23°C	0.30 N/mm ² (43.5 psi)
Dry Lumber:	1.85 N/mm ² (269 psi)	<u>Tensile Strength:</u>	ASTM C557
Gap Filling:	1.64 N/mm ² (238 psi)	24 hour @ 23°C:	0.17 N/mm ² (24.1 psi)
Moisture Resistance:	1.54 N/mm ² (223 psi)	14 days @ 23°C	0.20 N/mm ² (29.7 psi)
	No delamination		
Durability:	100% Pass		
Applicable Specifications:	<ul style="list-style-type: none"> • ASTM D3498 • AFG-01 • ASTM C557 		



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DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun, and tool to puncture cartridge seal.

Safety Precautions:

Wear gloves to avoid skin contact. Wash hands after use.

Preparation:

For best results, the temperature of the adhesive, the surfaces and the working area must be above 10°C (50°F). One surface must be porous. Surfaces must be clean, free from standing water and free of paint, grease, dust, and other contaminants. To obtain maximum adhesion, surfaces should be flat to provide adequate contact. Sand glossy surfaces to a dull finish. Pre-fit all materials prior to applying adhesive. Cut the tip off the cartridge nozzle just above the threads to desired bead size.

Application:

Apply a continuous bead to one of the surfaces then press material firmly into place within 20 minutes. Repositioning time is approximately 15 minutes, depending on bead size. For decks, apply a continuous bead on every joist to increase strength and prevent squeaking. Nail or screw planks at every joist. Pre-drill nail holes to prevent wood splits. For larger areas such as panels, apply adhesive around the perimeter 5 cm (2") in from the edge and vertically every 30 cm (12"). Alternatively, apply a continuous bead to all furring strips, studs and top and bottom plates. When applying materials to a vertical surface, the maximum vertical load the adhesive is safely rated for on a porous substrate is 10 grams / cm² (20 lbs. / ft²) of bond area. If applied in temperatures below 10°C (50°F), nails or screws must be used. Do not use in outdoor applications if rain is forecasted within 24 hours of application or protect work area from rain. Full strength and water resistance develops after 7 days.

Clean-up:

Clean tools and any uncured adhesive residue immediately with soapy water. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE & DISPOSAL

PROTECT FROM FREEZING. Store at room temperature in a dry, heated area. For maximum shelf life store at 24°C (75°F). Take unwanted product to an approved household hazardous waste transfer facility or allow product to harden by spreading on discardable surface. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

CAUTION. IRRITANT. CAUSES SERIOUS EYE IRRITATION. Do not get in eyes or on skin or clothing.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID: Contains isoparaffinic solvent. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes, rinse well with water for at least 15 minutes. If on skin, rinse well with water.

Refer to the Material Safety Data Sheet (MSDS) for further information



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DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

LIMITED WARRANTY

This product is warranted by Henkel Corporation to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty – express or implied – including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This Limited Warranty gives you specific legal rights, which vary from state to state. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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