



Great Stuff Pro™ Construction Adhesive

Fast-Grab, Heavy-Duty All-Weather Adhesive

FEATURES/BENEFITS

Description

Great Stuff Pro™ Construction Adhesive* is a heavy-duty, single-component, moisture-cured polyurethane foam adhesive specially formulated to bond subfloors, drywall, paneling, foam panels and most construction materials.

Cream in color, Great Stuff Pro™ Construction Adhesive is ideal for anchoring, joining and stabilizing insulated concrete forms and structural insulated panels and, during the pouring stage, can be used to seal gaps in the forms and prevent leakage of the fresh concrete. Better than traditional adhesives because of its excellent bonding power on dry, damp and even frozen lumber, Great Stuff Pro™ Construction Adhesive provides a fast-grab tack and long-term, high-strength bond.

Great Stuff Pro™ Construction Adhesive is designed to:

- Secure subflooring
- Attach drywall
- Fasten paneling
- Secure exterior sheathing

Ease of Use

Great Stuff Pro™ Construction Adhesive is easy to apply in various weather conditions. Great Stuff Pro™ Construction Adhesive:

- Creates a long-term, stable bond
- Reduces nail pops in drywall/subfloor and floor/stair squeaks
- Offers 30 day restartability
- Adheres to dry, damp, treated and frozen surfaces
- Can be used under almost all weather conditions for enhanced productivity
- Offers significantly higher yield than traditional caulk adhesives
- Reduces the need for fasteners
- Requires fewer callbacks and repairs

Available Sizes

Great Stuff Pro™ Construction Adhesive is available in 26.5 oz (751 g) containers. One container can replace up to 16 quart tubes of traditional caulk adhesive when applied at 1/4" beads.

PROPERTIES

Read all instructions and (Material) Safety Data Sheet ((M)SDS) before use.

TABLE 1: Typical Physical Properties of Great Stuff Pro™ Construction Adhesive

Property and Test Method	Typical Value	Units
Tack-free	14	min. (75°F [24°C], 50% RH)
Initial Bond	Approx. 2	hours**
Full Bond	7	days**
Color	Cream	-
Shelf Life	12	months
Application Temperature	32 to 100 (0 to 38)	°F (°C)

* Great Stuff Pro™ Construction Adhesive is a former product of The Dow Chemical Company

** When applied properly

INSTALLATION

Use Conditions

To ensure best adhesion performance, **Great Stuff Pro™ Construction Adhesive** should be applied to substrates that are structurally sound and free of standing water, snow, ice, dirt, mud, oil or other loose materials and release agents that may impair adhesion.

Preparation

- Painted surfaces and protective coatings should be removed, sanded or thoroughly roughened. Concrete and masonry substrates should be cured before bonding.
- Materials should be cut and fit-checked before applying adhesive.
- Shake container vigorously for one minute before dispensing and between uses.

Application

- **Great Stuff Pro™ Construction Adhesive** is easy to apply using a PRO Series foam dispensing gun. To attach a PRO Series foam dispensing gun, invert can and screw gun onto adapter, then adjust flow control knob to adjust bead size (1/2" [13 mm] recommended).

- Adhesive can be applied in a continuous zigzag bead or in parallel beads, ensuring that the adhesive layer will completely cover joists and framing where wood panels and drywall edges abut.
- Construction material can then be positioned over the substrate, and firm pressure applied. Substrates should be butted together within 10 minutes of dispensing adhesive. If bead has skinned over, it must be scraped off and reapplied.
- Supplemental mechanical fasteners should be installed after applying adhesive for best bond.

Curing

Initial bond typically occurs within two hours, with full cure in seven days depending on conditions. Cure times will be shorter at higher temperature and humidity, and longer at lower temperature and humidity.

TESTING

Applicable Standards

Great Stuff Pro™ Construction Adhesive complies with the following standards:

- **ASTM D3498** – Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems
- **HUD UM 60a** – Performance specification for all flooring adhesive products used in HUD manufactured housing
- **ASTM D6464** – Standard for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing
- **California Specifications CA 25-4** – Standard for the Evaluation of Adhesives for Structural Use in Multi-unit Manufactured Housing and Commercial Coach Construction

Notice

Great Stuff Pro™ Construction Adhesive should not be used in continuous underwater applications or on substrates with surface or standing water present. For more information, consult a DuPont sales representative.

HANDLING

WARNING: For Professional Use Only. Read and follow the entire Safety, Handling, and Storage section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of Great Stuff Pro™ products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

- **Great Stuff Pro™ Construction Adhesive** contains isocyanate and a flammable blowing agent. Vapor may travel to other rooms. Ensure adequate ventilation. Shut off all pilot lights and extinguish open flames; eliminate all sources of ignition before use. Do not smoke or use lighters or matches while dispensing foam.
- Do not breathe vapor or mist. Use in well-ventilated areas or wear proper respiratory protection. Isocyanate is irritating to the eyes, skin and respiratory system, and may cause sensitization by inhalation or skin contact.
- **Great Stuff Pro™ Construction Adhesive** is very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Wear long sleeves, gloves, and goggles or safety glasses. Cured foam must be mechanically removed or allowed to wear off in time.
- The contents are under pressure. The can may burst if left in areas susceptible to high temperatures, such as motor vehicles, or near radiators, stoves or other sources of heat. Do not place can in hot water. Do not puncture, incinerate or store at temperatures above 120°F (49°C).
- **Great Stuff Pro™ Construction Adhesive** should not be used around heaters, furnaces, fireplaces, recessed lighting fixtures or other applications where the foam may come in contact with heat-conducting surfaces. Cured **Great Stuff Pro™ Construction Adhesive** is combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C)

Clean Up and Purge

Excess adhesive can be cleaned from the substrate while still uncured using a dry cloth, putty knife or paint scraper. Cured adhesive must be mechanically removed.

Shelf Life and Storage

Great Stuff Pro™ Construction Adhesive should be stored between 65°F and 85°F (18°C and 29°C) for fast and easy application performance.

Great Stuff Pro™ Construction Adhesive has a shelf life of 12 months when stored in the original closed container. Open containers should be stored upright attached to dispensing gun when not in use. See package labeling for more information.

Disposal

Dispose of any residual **Great Stuff Pro™** product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.



**For more information visit us at
greatstuffpro.com/constructionadhesive
or call 1-866-583-2583**

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DuPont Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

Great Stuff Pro™ Polyurethane Foam Sealant contains isocyanate and a flammable blowing agent. Read all instructions and (Material) Safety Data Sheet ((M)SDS), carefully before use. Eliminate all sources of ignition before use. Cover all skin. Wear long sleeves, gloves, and safety glasses or goggles. Not for use in aviation, or food/beverage contact, or as structural support in marine applications. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. Not to be used for filling closed cavities or voids such as behind walls and under tub surrounds; this improper use of the product could result in the accumulation of flammable vapors and/or uncured material. Failure to follow the warnings and instructions provided with the product, and/or all applicable rules and regulations, can result in injury or death.

Great Stuff Pro™ Foam Cleaner is flammable and contains acetone and propane. Read all instructions and (Material) Safety Data Sheet ((M)SDS) carefully before use. Eliminate all sources of ignition before use. Cover all skin. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

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43-D100059-enNA-0523 CDP