

GEMCO Tuff-Bond® Hanger Adhesive

PRODUCT INFORMATION SHEET

REVISED: 03/07

SPECIAL CHARACTERISTICS:

- Non-Slip Formula
- Immediate Grab
- Performs in Temperatures up to 250°F
- Water/Mildew Resistant
- Excellent Thermal Shock Resistance

DESCRIPTION:

Tuff-Bond is a high strength, heavy-bodied adhesive, specifically formulated for adhering anchors for hanging insulation. Tuff-Bond is also recommended for use as a general-purpose construction adhesive in application requiring a high-strength bond or in applications subjected to high temperatures.

USES:

Tuff-Bond bonds metal and nylon anchors to metal, concrete, or masonry surfaces. Also recommended for installing metal or ceramic wall fixtures in tile applications.

SURFACE PREPARATIONS:

Surfaces to be bonded should be clean, dry and free of any dust, frost, wax, moisture, dirt, grease, oil, rust, or other contaminants. Do not use over painted surfaces. Many protective coatings are not compatible with Tuff-Bond; therefore, make a test bond before proceeding with application. Clean all metal surfaces with 1,1,1-trichloroethane, acetone, or other degreaser, exercising safe practices as recommended by the manufacturer. Tuff-Bond should be stored at room temperature (60° to 80°F) for a least 24 hours prior to use.

APPLICATION:

Do not apply at temperatures below 30°F. Prepare and install one anchor at a time. Apply a dab (the size of a small walnut) of adhesive to the anchor base with a putty knife and immediately (maximum open time is 10 minutes) press anchors firmly into place, with a slight twisting motion. For proper adhesion, insure that the film of adhesive covering the anchor base (after the anchor has been firmly pressed into place) is protruding through the perforated base plate. Application will be dry in approximately 24-72 hours, depending on atmospheric conditions. Do not apply load until application is completely dry.

INSTALLING ANCHOR ADHESIVE TO CONCRETE SURFACES:

New concrete surfaces need to cure a minimum of 28 days in order to ensure best adhesion. All concrete surfaces should be high-pressure water blasted or sand blasted to remove any surface curing agents and all foreign matter. Spread anchor adhesive on anchor base, allowing solvent to flash off for several minutes before pressing anchor firmly into place with a slight twisting motion. Do not apply load until application is completely dry.

TUFF-BOND ANCHOR ADHESIVE PACKAGING INFORMATION

SIZE	PACKED	WEIGHT
Quart	12 per carton	30 lbs/carton
Gallon	4 per carton	38 lbs/carton

TYPICAL PHYSICAL PROPERTIES & TECHNICAL INFORMATION

BASE: Thermoplastic Rubber

SERVICE TEMP: -30°F to 250°F

TYPE: Solvent

SHELF LIFE: 12 months

SOLIDS CONTENT: 64%

STORAGE: Store at room temperature with cross ventilation

COLOR: Light Brown

CLEAN-UP: Mineral Spirits, exercising safe practices: OSHA class 1B. Store per 29 CFR 1910, 106.

WEIGHT/GALLON: 9 lbs/gallon

SHEAR STRENGTH: Greater than 600 psi (AFG 01)

COVERAGE: 500-1000 anchors per gallon

WATER RESISTANCE: Excellent

FLAMMABILITY: Flammable, Red Label

CONSISTENCY: Gun Grade Mastic

APPLICATION TEMP: 30°F to 120°F

FLASH POINT: (ASTM D 3828) -9°F

EXTRUDABILITY: Excellent (ASTM C 731)

OPEN TIME: 15 minutes at 75°F and 50% relative humidity

CAUTIONARY INFORMATION

WARNING: This product contains Quartz Silica, a chemical known to the state of California to cause cancer. This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm. Cancer Hazard: contains Crystalline Silica which may cause cancer. Risk of cancer depends on duration and level of exposure. Vapor harmful, may affect the brain or nervous system causing dizziness, headache, or nausea. Causes eye, skin, nose, and throat irritation. May be harmful if absorbed through skin.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the content may be harmful or fatal. Use only with adequate ventilation: vapors may ignite explosively. Do not breathe dust, vapors, or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache, or dizziness, or if monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly-fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Keep away from heat, sparks and flame: **DO NOT SMOKE**. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and door to achieve cross-ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

VAPORS MAY CAUSE FLASH FIRE

FIRST AID: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately: for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call Poison Control Center, Hospital Emergency Room, or a Physician immediately. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and Federal regulations.

NOTICE TO PURCHASER: Our only obligation shall be replace or pay for any material proved to be defective. The suitability of the product for an intended use shall be solely up to the user. You may have other rights that may vary from state to state.

FOLLOW ALL PRECAUTIONS IN THE WORK AREA AND ADJACENT AREAS

**BE SURE THAT ALL PERSONS UNDERSTAND AND FOLLOW ALL
PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN