



PARABOND M-280

All Weather Outdoor Carpet Adhesive

(Extremely Flammable)

Performance:

- **Waterproof**
- **Trowels easily**
- **Fast grab**
- **Superior strength**

DESCRIPTION:

Parabond M-280 All Weather Outdoor Carpet Adhesive is an Extremely Flammable, waterproof, high-strength rubber based adhesive designed for the permanent outdoor installation of most outdoor carpets including: rubber-backed artificial grass, woven polypropylene, non-woven polypropylene, and closed-cellular urethane foam-backed carpet.

M-280 is **Not Recommended** for Vinyl Backings.

M-280 bonds to concrete, cured blacktop, or any other clean paving surface commonly encountered. This adhesive provides a secure bond in just a few hours, even in unfavorable weather conditions. Installation can be made even at temperatures ranging from 45° to 95° F with excellent results. Unlike most multi-purpose latex adhesives, M-280 is waterproof from the start, so the threat of rain falling shortly after installation presents no problem.

This product is not Photo-chemically Reactive as defined by California Rules 102.

DIRECTIONS:

1. Review floor covering manufacturer's recommendations before proceeding.
2. Subsurface must be sound, clean, and dry; free of dirt, grease or any foreign matter that would interfere with bond.
3. Spread adhesive with 3/32" x 3/32" x 1/8" notched trowel to an area of such size that carpet can be laid into adhesive within 15 minutes, while adhesive is wet.
4. Do not let adhesive skin over.
5. Lay carpet into adhesive progressively to avoid trapping air. Do not "flop" carpet into position.

6. Pick up carpet periodically to check for proper adhesive transfer.
7. Rough textured surfaces require a 5/32" or larger V-notched trowel.
8. Smooth bonded area with even firm pressure using the back of a push broom or a short length of carpet tube.
9. Avoid squeezing adhesive up at seams.
10. A temporary swelling of rubber-backed carpet may cause leaking at ends and seams. In this event allow adhesive to set 5 to 10 minutes, smooth carpet and sandbag until dry.
11. Keep free of heavy traffic for at least 24 hours following installation.
12. Remove adhesive smears from tools, etc., with a cloth dampened in Mineral Spirits.

DO NOT USE INDOORS, BECAUSE OF FLAMMABILITY.

COVERAGE:

Approx. 100 sq. ft./gallon

PHYSICAL PROPERTIES:

Weight/gal (lbs)	10.0
Consistency	Soft paste
Shelf Life	One year @70°F in un- opened container

FOR MORE INFORMATION READ MATERIAL SAFETY DATA SHEET

KEEP OUT OF REACH OF CHILDREN

DANGER! EXTREMELY FLAMMABLE, DO NOT USE NEAR FIRE OR FLAME. PUT OUT ALL PILOT LIGHTS AND ALL IGNITION SOURCES. THIS INCLUDES ELECTRIC PILOT LIGHTS, SPARK IGNITION SYSTEMS OR INTERMITTENT IGNITION DEVICES. THESE ARE ELECTRIC PILOT LIGHTS FOR GAS APPLIANCES SUCH AS FURNACES,

ISO 9001 Certified

Corporate Address: PO Box 127 • Simpsonville, SC 29681-0127 • 800-763-7272 • Fax: 864-228-1491

Manufacturing Facilities: Simpsonville, SC • Philadelphia, PA • Dalton, GA • Mansfield, TX • Adelanto, CA

www.parabond.com

STOVES AND WATER HEATERS. THEREFORE, IT IS IMPERATIVE THAT THE GAS SUPPLY AND ALSO THE ELECTRIC SUPPLY TO THESE APPLIANCES BE SHUT DOWN OR DISCONNECTED FROM THE APPLIANCE ITSELF.

WARRANTY:

Para-Chem's only obligation shall be to replace or pay for any adhesive proved defective when authorized in writing by the company. Beyond the purchase price of materials supplied by us we assume no liability for any damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user. 11-6-02

ISO 9001 Certified

Corporate Address: PO Box 127 • Simpsonville, SC 29681-0127 • 800-763-7272 • Fax: 864-228-1491
Manufacturing Facilities: Simpsonville, SC • Philadelphia, PA • Dalton, GA • Mansfield, TX • Adelanto, CA

www.parabond.com

MATERIAL SAFETY DATA SHEET

Page 1

Para-Chem[®], PO Box 127, Simpsonville, SC 29681

24-Hour Emergency Telephone: (864) 967-7691

SECTION 1. PRODUCT IDENTIFICATION

PRODUCT NAME: PARABOND[®] M-280

CHEMICAL FAMILY: Carpet Adhesive

SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
VM & P Naphtha	8032-32-4	11.0%	300 ppm	300 ppm
Hexane	110-54-3	22.9%	50 ppm	50 ppm

SECTION 3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Eyes, skin, and respiratory system.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory problems.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Can cause severe irritation. Vapors can cause slight to moderate irritation.

SKIN CONTACT: Can cause moderate irritation, de-fatting, and dermatitis.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea

INHALATION: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

CHRONIC: None known.

CARCINOGENICITY: This product contains no ingredient listed as a carcinogen by IARC, NTP, or OSHA.

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. Call physician if irritation occurs.

SKIN CONTACT: Wash with soap and water. Call physician if irritation occurs.

INGESTION: To conscious person, give two glasses of water. Do not induce vomiting and call Physician immediately.

INHALATION: Move person to fresh air. If breathing stops, administer artificial respiration and call physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

FLASH POINT (°)F: Less than 20, TOC

LOWER FLAMMABLE LIMIT: 0.9

UPPER FLAMMABLE LIMIT: 7.5

FIRE-FIGHTING INSTRUCTIONS: Alcohol foam, CO₂, and dry chemical. Use protective clothing and self-contained breathing apparatus. Eliminate sources of ignition because vapors may travel along the ground or be moved by ventilation

DECOMPOSITION PRODUCTS: Material may produce CO, CO₂, H₂O, and materials listed in Section II

MATERIAL SAFETY DATA SHEET Page 2

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Dike and pump liquid to waste containers. Dispense sand, sawdust, or vermiculite. Shovel into closed waste containers.

SECTION 7. HANDLING AND STORAGE

HANDLING: Store in well ventilated area. Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Keep closure tight and container upright to prevent leakage. Keep out of the reach of children. Drums of this material should be grounded and bonded when pouring. Do not puncture, drag, or slide container. Prevent prolonged or repeated breathing of vapor or mist. Do not weld or flame cut an empty drum. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. This product as supplied is a liquid, and there are no dust hazards from the powders in it. When the product is processed, the powders should be encapsulated. The user must determine if there is a dust hazards because of the process used or the end use of the dried material.

STORAGE: Store above 40°F or below 100°F. Do not store or use near heat, sparks, or flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear splash goggles if contact with liquid is likely.

SKIN PROTECTION: Wear gloves if contact with liquid is likely.

RESPIRATORY PROTECTION: If PEL or TLV is exceeded, use a NIOSH/MSHA approved respirator.

ENGINEERING CONTROLS: Use sufficient ventilation, in volume and pattern, to keep air contaminant concentration below PEL or TLV.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F): 149-300

VAPOR PRESSURE: 85

VAPOR DENSITY(air=1): 3.5

SPECIFIC GRAVITY(water= 1): 1.0

% VOLATILE BY WEIGHT: 35

APPEARANCE AND ODOR: Light tan colored paste.

GRAMS VOLATILE ORGANIC COMPOUNDS/LITER OF COATING: 360

GRAMS VOLATILE ORGANIC COMPOUNDS/LITER OF MATERIAL: 360

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None

