



Advanced Adhesive Technologies, Inc.

Masterbond 188 Specification Sheet

Description:

Masterbond 188 is latex-resin emulsion adhesive designed for installing glue-down carpets and resilient sheet goods. This zero VOC adhesive is protected by the CleanGuard® two-stage antimicrobial. CleanGuard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state.

Uses:

Masterbond 188 AD-Hesive is recommended for the following installations:

- Carpets: Woven Polypropylene (ActionBac®), Kanga backed, Latex foam backed, Jute backed Needle punched
- Cork Underlayment
- Resilient Mineral, composition, felt backed sheet goods.
- Not recommended for tightly woven polypropylene secondary backs (ex. Unibond), urethane foams, unitaries, or vinyl backed carpets or pure vinyl sheet goods.
- Sub floors:
 - Above, On, and Below grade concrete in the absence of excessive moisture emissions and alkali. (<3 lbs. /1000 sq. ft. /24 hrs.) (pH 7-9)
 - Underlayments: Plywood (all underlayment grades), Oriented Strand Board (OSB), Hardboard, Existing resilient flooring (must be well bonded, sound, smooth, and free of all waxes, finishes, strippers, and cleaners.), Ceramic tile, Terrazzo, and Marble (all paint, varnish, oil, wax, and finishes should be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracked with latex-based Portland cement underlayment.)



NOTE: While some Lauan underlayments are acceptable {Type 1 (exterior) BB and CC or OVL} there are a varieties present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure, and underlayment delamination. Particleboard is **not** a recommended underlayment under full spread installations of resilient flooring. Strip or plank wood flooring should be covered with an approved underlayment (minimum thickness of 1/4")

Specific Technical Data:

- Base: latex-resin emulsion
- Color: yellow-tan
- Flammability: non-flammable
- Typical Trowels and approximate coverage:

Sheet Vinyl

1/16" x 1/16" x 1/16" sq. notch
125-150 sq. ft./gal

Carpet

1/8" x 1/8" x 1/8" U-shape notch
90-108 sq. ft. /gal

Cork Underlayment

3/32 x 3/32 x 3/32 V-notch
110-135 sq. ft. /gal

NOTE: We recommend installers follow the guidelines set forth in CRI 104 or specific manufacturer's recommendations. It is extremely important to maintain recommended notch width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the substrate and the carpet backing to include the inner recesses of the texture of the back.

- This adhesive can not be used for exterior installations. Use AAT-383 for exterior installations.
- Clean-up: Remove wet adhesive with cloth dampened with tap water. Use AAT-197 AD-Hesive Remover for dry adhesive.
- Freeze/thaw stable. (Stability and spreadability will be reduced if frozen. For best results do not allow to freeze).
- Sizes: 4 Gallon pail



MATERIAL SAFETY DATA SHEET

NPCA HMIS

H = 1
F = 0
PH = 0

Prepared By: Tim Brown
Date: August 30, 2006 (Replaces August 1, 1999)

SECTION I

Manufacturer's Name: Advanced Adhesive Technologies, Inc.
Street Address: 424 S. Spencer St. Dalton, GA. 30720
Emergency Telephone No.: Chemtrec (24 hours) 800-424-9300 or 706-226-0610 8 am to 5 pm Mon - Fri
Product Class: Floor Covering Adhesive
Manufacturer's Code Identification: Masterbond 188
Trade Name: Advanced Air Tech—Standard

SECTION II — HAZARDOUS INGREDIENTS

None

SECTION III — PHYSICAL DATA

Boiling Range: Greater than 212° F
Vapor Density: Lighter than Air
Evaporation Rate: Slower than Ether
Percent Volatile by Volume: 43 ± 2.0%
VOC Emission: 0 g/l (calculated per SCAQMD Rule 1168)

SECTION IV — PHYSICAL DATA

DOT Category: Nonflammable
Flash Point: N/A
LEL: Not Known
Extinguishing Media: Water mist, dry chemical, CO₂, mechanical foam
Unusual Fire and Fighting Hazards: Liquid adhesive will not ignite. Dried adhesive will ignite if heated over 150°C and or exposed to ignition source, producing CO, CO₂, smoke and hydrocarbons.
Special Fire Fighting Procedures: If dried adhesive ignites, use dry chemical, foam extinguishers, or a fog nozzle. For small fires, CO₂ extinguishers can be used. Use air mask when combating dried adhesive fires.

SECTION V — HEALTH HAZARD DATA

Threshold Limit Value: Non-established
Effects of overexposure: Wet-possible lightheadedness, nausea, and/or mild dermatitis could develop. Dry-None.
Emergency and First Aid Procedures: Flush eyes with ample water. Wash skin with soap and water. If ingested, treat symptomatically and contact physician.

SECTION VI — REACTIVITY DATA

Stability: Stable
Incompatibility: (Materials to avoid)
Conditions to avoid: Closed area with open container
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur
Conditions to avoid: Strong acids or oxidants, temperatures below 35°F

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Scoop up excess with shovel, wash remainder with water.
Waste Disposal Method: Landfill or incinerate as per local and state regulations.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required with adequate ventilation.
Ventilation: Open windows, exhaust fan, open air area
Protective Gloves: May be desirable for people with sensitive skin.
Eye Protection: Safety glasses or goggles.
Other Protective Equipment: None required

SECTION IX — SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store in a cool, dry place. Optimum storage temperature 70°F.
Shelf Life – One year from date of manufacture in an unopened container.
Other precautions: Keep from freezing. If frozen allow adhesive to thaw at room temperature.
DO NOT agitate or stir until adhesive is completely thawed. Keep sealed when not in use.