



# 3 in 1 Adhesive

**WATER BASED/COVERAGE:** 50-60 square feet per gallon with 1/8" notched trowel. 100-120 square feet per gallon with 1/16" notched trowel.

**PRODUCT NUMBER AND CONTAINER SIZE**  
71210 (quart) 71110 (gallon)  
71310 (5g pail)

**DESCRIPTION:** Safecoat 3 in 1 Adhesive is a multi-purpose low odor, not toxic, formaldehyde free, water-based mastic adhesive designed for adhering floor tiles made of ceramic, vinyl, parquet, and slate; for lightweight wall tiles; and for any carpet application where a typical carpet adhesive would be used.

**USE ON:** Safecoat 3 in 1 Adhesive is recommended for adhering floor tiles made of ceramic, vinyl, parquet, formica and slate; for lightweight wall tiles; and for any carpet application where a typical carpet adhesive would be used.

**SURFACE PREPARATION:** Surface must be level before application, as use of Safecoat 3 in 1 Adhesive will not substitute for a leveling compound, especially over surfaces such as concrete. All substrates to receive adhesive and overlays must be sound and intact. Any loose areas should be repaired or anchored to produce a firm footing for adhesion. All surfaces must be cleaned of any grease, oils, dust, dirt, wax, un-sound prior adhesive and other foreign materials. Washing with a low odor, not toxic cleaner like SafeChoice Super Clean is recommended. Best results can be obtained if non-porous surfaces are dry and stable prior to application. Porous surfaces will benefit from a coat of Safecoat Safe Seal prior to application of 3 in 1 Adhesive (for maximum adhesion, even non-porous surfaces benefit from the application of a thin coat of Safecoat Safe Seal to the substrate and if possible the surface to be adhered – for example the back of the tile - before spreading adhesive and laying the tiles). 3 in 1 can be applied over slightly tacky SafeSeal. Use adequate ventilation. If you are chemically sensitive, always test for personal tolerance. Refer to flooring manufacturer's specific recommendations. Adjust the temperature of the area to be installed, adhesive, and flooring to at least 65°F (18°C) or above for 48 hours before, during, and 48 hours after installation.

**APPLICATION:** Always have adequate ventilation. Stir any liquid on the surface into the adhesive. For carpeting, cementitious and ceramic tile, application should be made with 1/8" or larger notched trowel (commonly v- notched for walls and square notched for floors, but consult your installer). A 3/16" notched trowel should be used for wall tiles. All other applications require 1/16", including residential felt-back rotovinyl sheet flooring. Due to rapid cure do not spread the adhesive over areas larger than 16-20 square feet. Allow adhesive to set up or "tack-up" for a few minutes (typically not more than 10-15 depending upon temperature and humidity), and then insert tiles into mastic. Maintain a wet, tacky surface during installation of the tile. Do not allow adhesive to skim over. If a film forms or adhesive skims over, or sets up so that it is no longer sticky, scrape all adhesive off the surface and reapply.

**LIMITED LIABILITY:** Liability, whether express or implied, is limited solely to replacement of product shown to be defective when applied in accordance with instructions and shall under no circumstances include liability for labor costs or consequential damages. It is the user's responsibility to determine the suitability and safety of the product for its intended use. This limited warranty may not be modified or extended by manufacturer's representatives, distributors, or dealers of AFM products. We particularly recommend that users always test in small inconspicuous areas before application to the entire surface.

Allow 24 hours for 3 in 1 Adhesive to cure out before opening to traffic or for any further surface filling. A trial application is recommended to assure proper adhesion can be obtained. Testing is particularly important for parquet and wooden floor material, which varies considerably in consistency and may have a tendency to warp. Again, seal the bottom of the material with Safecoat Safe Seal to help provide a moisture barrier. Roll flooring in both directions with a 75–100 lb. roller and seal seams as recommended by the flooring manufacturer. Stiff carpets/sheet goods should be rolled again after 2 hours. Restrict heavy traffic for 24-48 hours. Protect adhesive (specifically carpet installations) from exposure to water from cleaning and other sources for a minimum of 30 days after installation

**CLEAN-UP:** Clean tools and equipment while they are still wet with a solution of SafeChoice Super Clean and warm water.

**DRYING/CURING TIME:** 24 hours for full cure.

**LIMITATIONS:** Do not apply to substrate in direct sun or where hot to the touch as this will cause excessively fast curing and prevent adhesion into a wet, tacky base. Sample test a small area to assure proper adhesion can be obtained. Use only where room and surface temperatures are above 55 degrees and below 90 degrees F. Do not freeze. Unused contents should be kept in a closed container in a cool, dry place out of direct sunlight. Unlike conventional adhesives, Safecoat adhesives are made without formaldehyde preservatives or toxic mildewcides or fungicides. Do not contaminate.

**HEALTH PRECAUTIONS:** As with all adhesives, keep container tightly closed and out of the reach of children. Do not take internally. Keep from freezing. Always use adequate ventilation. If you are chemically sensitive, always test for personal tolerance.

#### ADVANTAGES / SIGNIFICANT BENEFITS:

- Low odor, non-offensive to installer and occupant.
- Safely used by and for the chemically sensitive.
- Very low VOC content, meets or exceeds all federal and state air quality regulations, including California.
- Contains no formaldehyde.

#### PHYSICAL DATA:

Boiling Point:	190-212 F
Melting Point:	N/A
pH:	8.5 -8.7
Volatile by Volume:	45.25%
% Volatile by Weight:	43.86%
VOC Material:	48 g/l
HAP's (Hazardous Air Pollutants)	zero