



FA1100 ADHESIVE TECHNICAL INFORMATION

General Information

FA1100 is a white, water-based, solvent-free and non-flammable adhesive formulated to provide an exceptional bond for installing tile, rubber and vinyl-backed flooring over porous and non-porous surfaces substrates. Use indoors on wood and concrete substrates, cementitious underlayments and underlayment boards. FA1100 is suitable for installations on, above, or below grade.

Environment

Concrete in contact with the ground or below grade levels requires the use of a moisture vapor retarding system. Fritztile by Expanko, Inc. requires the use of the RMA Anhydrous Calcium Chloride Test in compliance with ASTM F-1869-98. A test result of 7 pounds per 1,000 square feet per 24 hours is considered a suitable slab for adhering terrazzo tile, rubber and vinyl-backed tiles and 5 pounds is suitable for vinyl composition tile. Do not use FA1100 if Internal Relative humidity of the slab, tested in compliance with ASTM F2170, exceeds 87%. Ideal working conditions are 70° F (21° C) ambient temperature and between 40% and 50% relative humidity.

Limitations

Do not allow adhesive to remain uncovered after the initial drying period, as a loss of adhesion will occur. Do not spread more adhesive than can be worked within 20 minutes. Do not use for wall installations. Do not use outdoors or areas that are subject to excessive moisture and/or temperatures above 85° F (30° C). Flooring product must be laid over the FA1100 while it is still wet.

Surface Preparations

The surface to be installed must be clean, free of dirt, dust, wax, grease, paint, curing compounds, adhesives and any foreign matter that would interfere with the proper bonding of the FA1100 to the substrate. Old adhesives must be completely removed prior to installation. Patch all cracks and uneven surfaces with an appropriate underlayment. Level the substrate to a tolerance of 1/8" in 10 feet.

Concrete Surfaces

A Calcium Chloride test **MUST BE PERFORMED** on all concrete substrates to determine the moisture vapor transmission rate of the concrete. Do not exceed 7 pounds per 1,000 square feet per 24 hours while adhering terrazzo tile, rubber and vinyl-backed tiles and 5 pounds for vinyl composition tile. The installer is responsible for determining the bond compatibility between the adhesive/material/substrate. A bond test is highly recommended to determine the presence of any deleterious compounds that may be present on the concrete surface. A porous concrete surface will decrease the open time of the adhesive. To determine if the substrate is porous place a few drops of water in several areas. If the water is absorbed within a few seconds, the substrate is considered porous.

Directions for Use

Use a 1/16" x 1/16" x 1/16" square-notched trowel for the placement of all flooring. Once troweled,

allow the FA1100 to remain open no more than 20 minutes before placement of the tile. Place tiles into wet adhesive. Once placed, the flooring must be rolled and re-rolled. A 150-pound 3 section roller should be chosen for terrazzo tile, rubber and vinyl-back tiles and a 75-pound roller should be chosen for vinyl composition tiles and used until all material is firmly bonded and level with the adjoining tiles within 15 minutes of tile placement. Adhesive must transfer to tile and substrate.

Coverage

A 1/16" x 1/16" x 1/16" square-notched trowel will cover 120-140 square feet per gallon on nonporous floors and 90 - 100 square feet per gallon on porous floors. Substrate texture and porosity greatly affects coverage rate so you may experience coverage greater or lesser than stated. Keep trowels clean so that the FA1100 is evenly and adequately distributed. Minimize adhesive swirls when applying adhesive to the substrate to maximize spread rates.

Clean Up

Wet adhesive and smears can be cleaned with a clean rag dampened with clean water while adhesive is still wet. Dried adhesive is difficult to remove without damaging the flooring product.

Warranty

The warranty available on this product is made in lieu of all other warranties, expressed or implied. Any goods proven defective within one year of manufacture will be replaced. Manufacturer will not be responsible for damages in excess of the purchase price. User shall determine suitability of the product for chosen application and used assumes all risks for its use or handling. See warranty document for complete details.

Safety Precautions

Eye irritant. Avoid skin and eye contact. Eye Contact: flush with water immediately for 15 minutes. Alert Medical Personnel. Skin Contact: Wash with soap and water while still wet. Ingestion: Induce vomiting, Alert Medical Personnel. In case of inhalation - move person to fresh air. Call physician if respiratory distress is not relieved by fresh air ingestion. When mixing, use adequate room ventilation to provide a positive airflow. This product is not photo-chemically reactive as defined by California Rule 102. This product is non-toxic as defined by The Federal Hazardous Substance Act, 16 CFR 1500.3. Follow all cautionary statements on product packaging.

For more information visit www.fritztile.com or call 800-345-6202.