Product Datasheet

PREMIUM PLUS – Broadloom Carpet Adhesive

UZ 52

Dispersion floor covering adhesive

DESCRIPTION:

UZIN UZ 52 is the ideal choice for direct glue-down and double-stick broadloom carpet installations. Easily applied over a wide variety of substrates, UZIN UZ 52 presents a quick initial green grab to ensure your floor coverings hold firmly and are permanently secure. On the job site, UZIN UZ 52 provides a range of working times when working with challenging backing systems and matched pattern installations.

SUITABLE FOR:

- Interior use only
- Concrete substrates up to 95% RH
- Porous and non-porous substrates
- Broadloom carpet, including patterned and attached cushion
- Most common backings, including: Action Bac, jute, fleece textured, unitary, and woven products
- Double-stick installation (cushion to substrate and carpet to cushion)
- Heterogeneous felt-backed sheet vinyl
- Residential and commercial applications
- Use with radiant floor heating systems



FEATURES AND BENEFITS:

- Superior green grab
- Easy to trowel
- Moisture tolerant up to 95% RH
- CRI Green Label Plus and LEED certified

TECHNICAL DATA:

Packaging	4 gal (18.4 kg/15.1 L) pail
Storage	Min. 24 months
Color	Beige
Coverage	Approx. 180–900 sq.ft. (17–84 m²)*
VOC	< 15 g/L
Flash time	Direct glue carpet/sheet vinyl: 0–20 min, Double-stick cushion to carpet: 30–60 min**
Working time	Direct glue carpet/sheet vinyl: 40–60 min, Double-stick cushion to carpet: 60–90 min**
Ready for foot traffic	Direct glue underlayment: 12 hr, Double-stick: 24 hr**
Ready for covering	See flash time
Minimum application temperature	60°F (15°C) at floor level
Final strength	Direct glue-down/underlayment: 24 hr, Double-stick: 48 hr**
Fire reaction	Non-flammable (uncured)
Frost resistance for 3 cycles	10°F (-12°C)

*Coverage is approximate. **Flash and working times may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

MADE IN U.S.A.

LEED® contributing product

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PRODUCT PROPERTIES:

UZIN UZ 52 is the ideal choice for direct glue-down and double-stick broadloom carpet installations. Easily applied over a wide variety of substrates, UZIN UZ 52 presents a quick initial green grab to ensure your floor coverings hold firmly and are permanently secure. On the job site, UZIN UZ 52 provides a range of working times when working with challenging backing systems and matched pattern installations.

SUBSTRATE PREPARATION:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean, and free of all contaminants, including but not limited to dust, grease, oil, paint, wax, curing, and sealing compounds, or cleaning solution residue that would impair adhesion. If necessary, mechanically prepare and clean the surface by grinding, shot blasting, or sanding, and thoroughly vacuum off all loose material and dust following OSHA recommended guidelines. Do not use sweeping compounds. Any weakly bonded or soft surface material, such as loose patching compounds, leveling compounds, floor coverings, or coatings, must be removed. Do not apply this product over any acid-etched or chemically abated adhesive surfaces. Wood substrates must provide a rigid base and be securely fastened without excessive vertical movement. The surface of the wood must be clean and free of oils, grease, wax, dirt, varnish, shellac, and any contaminates that would impair adhesion. If necessary, sand down to bare wood. Do not apply UZIN products directly to fire-retardant or pressure-treated wood surfaces. Please refer to the UZIN Substrate Preparation Guide for additional information.

CAUTION: Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Do not sand, grind, or disturb any surface or adhesive residue that may contain asbestos or lead, as harmful dust may result. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions.

Substrate Moisture Testing and Assessment

Evaluate concrete substrates following ASTM F710 guidelines. Select a suitable UZIN moisture vapor retarder if required. Always reference the limitations of the UZIN products and floor covering. If these limitations are in conflict, the most stringent requirements shall apply

Apply an adequate number of test areas, including the floor covering, to evaluate the bond and suitability of the selected UZIN products for their intended use.

APPLICATION:

Follow the floor covering manufacturer's instructions for layout, design, and any special precautions or recommendations, including floor covering RH% moisture limitations.

1. Optimum product application conditions are 65–77 °F (18–25°C) and relative humidity between 30–65%.
2. Before use, allow product to acclimate to room temperature.
3. Spread adhesive using the recommended tool (see application chart).
4. Install floor covering following instructions below (dependent upon desired application method).
5. **For felt-backed sheet vinyl, double-stick cushion, and direct glue-down carpet installation over porous surfaces:**
   Wait approximately 0–20 minutes after adhesive has been spread to allow it to firm up. Working time is approximately 40–60 minutes under acceptable HVAC temperature and humidity conditions. Periodically lift floor covering to confirm > 80 % transfer of adhesive. Approximately 30 minutes after the installation, the carpet should be rolled with a 35 lb.–50 lb. (15.8 kg–22.7 kg) carpet roller. Do not use a heavy linoleum roller.
6. **For carpet to cushion double-stick installation and non-porous surfaces:**
   Wait 30–60 minutes after adhesive has been spread to allow it to firm up. Working time is approximately 60–90 minutes under acceptable temperature and humidity conditions. Periodically lift the floor covering to confirm >80% transfer of adhesive. Approximately 30 minutes after the installation the carpet should be rolled with a 35 lb. (15.8 kg) carpet roller. Do not use a heavy linoleum roller.
7. Seal seams according to the flooring manufacturer's instructions.
8. Work out any trapped air from beneath floor coverings within the working time of the adhesive. Work the roller from the center of installation toward the perimeter.
9. Coverage rate up to approx. 45–225 sq. ft. per gal.
10. Clean tools immediately after use.
11. Product is dry to accept foot traffic after approx. 12–24 hours
12. Product has a minimum 24-month storage life in original packaging when stored indoors in dry conditions.

The above information is based on our experience and testing. Uzin Utz North America, Inc. is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this Product Data Sheet invalidates all previous product information. us.uzin.com | 10/2026

COVERAGE:

	Floor Covering	Trowel	Approximate Coverage
Porous Surface	Foam-back carpet, double-stick sponge rubber cushion to substrate, felt-back sheet vinyl	FLAT V 3/32" x 3/32" x 3/32" V Notch (2.4 mm x 2.4 mm x 2.4 mm)	210-225 sq. ft. per gal.
	Textured backed broadloom (action bac, jute back & axminster woven)	U 1/8" x 1/8" x 1/8" U Notch (3.2 mm x 3.2 mm x 3.2 mm)	85-90 sq. ft. per gal.
	Course textured back broadloom (5/32"/4 mm min. backing thickness), woven, custom tuffted with secondary backing	U 1/8" x 1/8" x 1/16" U Notch (3.2 mm x 3.2 mm x 1.6 mm)	75-80 sq. ft. per gallon
Nonporous Surface	Foam-back carpet, double-stick sponge rubber cushion to substrate, felt-back sheet vinyl	FLAT V 1/16" x 1/16" x 1/16" V Notch (1.6 mm x 1.6 mm x 1.6 mm)	205-215 sq. ft. per gal.
	Textured backed broadloom (action bac, jute back & axminster woven), double stick carpet to pad	U 1/8" x 3/32" x 1/8" U Notch (3.2 mm x 2.4 mm x 3.2 mm)	65-70 sq. ft. per gal.
	Rough textured back broadloom (5/32"/4 mm min. backing thickness), woven, custom tufted with secondary backing, double-stick carpet to pad	U 1/8" x 1/8" x 1/8" U Notch (3.2 mm x 3.2 mm x 3.2 mm)	45-50 sq. ft. per gal.

* Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held. It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

IMPORTANT NOTES:

- Tightly reseal opened packaging and use the contents as quickly as possible.
- Dry time will vary depending on substrate surface porosity.
- High temperatures and low humidity will accelerate drying.
- Low temperature and high humidity will delay drying.
- Do not apply to wet surfaces. Observe surface temperature at a minimum 10°F (5.5°C) above the dew point with temperature on the rise during application.
- Gypsum or lightweight concrete should be primed using diluted UZIN PE 260 or PE 360 PLUS in advance of adhesive application.
- The substrate, adhesive, and flooring must be acclimated in an enclosed building with the HVAC operational between 65–77 °F (18–25°C) and relative humidity between 30-65% for at least 72 hours before, during, and after the installation.
- Floor coverings must be dimensionally stable and sufficiently acclimatized per the flooring manufacturer's recommendations.
- When installing over radiant heated subfloors, turn the heat off (or maximum surface temperature of 60 °F/15 °C) for 24 hours before, during, and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85 °F.
- Do not install when relative humidity of concrete slabs exceeds 95 % RH (ASTM F2170).
- Do not install when the moisture vapor emission rate (MVER) exceeds 10 lbs. (ASTM F1869).
- Substrate pH must be between 5–10 (ASTM F710).
- Do not apply over any water-soluble or cutback adhesive residues.
- Do not apply over PVC sheet vinyl products.
- While product is still wet: use a damp cloth and water to remove adhesive.
- Concrete must be placed in strict accordance with applicable standards and specifications. An intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be fully cured (at least 28 days), and without hydrostatic pressure.
- The following standards, regulations, and publications are applicable and especially recommended:
  - ASTM E1745 "Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs"
  - ASTM F1482 "Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring"
  - ASTM F710 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
  - ASTM F2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
  - ASTM F1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"

COMPOSITION:

Polymer dispersion, preservation agents, mineral aggregates, additives and water

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Precautions: Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.uzin.us.

DISPOSAL:

Dispose of the material in accordance with applicable laws and regulations. Where possible, collect product residues and re-use. Avoid product to get in contact with soil, waterways, drains, or sewers. Empty containers or liners may retain product residues.

INDOOR AIR QUALITY INFORMATION

VOC content: < 15 g/L, compliant with SCAQMD 1168

VOC emission: 0.5mg/m3 or less TVOC emission per CDPH Method v1.2

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