

# Healthbond 2399 Pressure Sensitive Adhesive

## Technical Data Sheet

Healthbond 2399 is a high strength pressure sensitive flooring adhesive specifically designed for interior releasable installation of Bentley EliteFlex 6 ft Hardback, EliteFlex 6 ft Cushion, AFIRMA II Hardback Carpet Tile, NexStep Cushion Tile, LuxFelt Cushion Tile, Luxury Vinyl Tile (LVT), Hybrid Vinyl Tile (HVT), and modulyss Carpet Tile. The dried adhesive will remain on the floor, allowing individual carpet tiles to be lifted out and replaced without substantial loss of adhesive properties. This product is an aggressive pressure sensitive formulation that retains its tack for the bonding to various substrates. The dried film is alkali, water, and plasticizer migration resistant. This adhesive can be applied using common tools and techniques over a variety of porous and non-porous surfaces.

Healthbond 2399 is a water-based, solvent-free, non-flammable, and low odor adhesive. It also has very low VOC's, which makes it ideal for use in schools, healthcare facilities, public buildings, and anywhere indoor air quality is a concern. Healthbond 2399 is Carpet and Rug Institute (CRI) Green Label Plus certified and may contribute to LEED project certification for IAQ low emitting materials. This adhesive meets or exceeds California requirements as specified in Rules 102 and 443 as well as SCAQMD Rule 1168 of < 50 g/L.

### APPLICATION INSTRUCTIONS:

Site conditions, floor preparations, moisture and alkalinity must comply with those specified by the CRI 104, Standard for Installation of Commercial Carpet.

The installation site, flooring materials and adhesive must be maintained at 60°F - 90°F (15°C - 32°C), and the humidity between 30%-60% for 72 hours prior to, during, and after testing and installation

### USE OVER:

**Wood:** APA approved flooring grade plywood, or hardwood installed to manufacturer's specification.

**Concrete:** Substrate must be structurally sound, clean, flat, and dry. Remove all foreign substances that would interfere with a good bond. Fill all holes and cracks with a cement based patching compound and sand high spots.

No RH Testing required; No pH testing required; No verifiable intact vapor retarder required on Bentley carpet tile and EliteFlex products. (Not applicable for modulyss, LVT, or HVT).

**Resilient Floor Coverings:** Not recommended for direct use over existing sheet vinyl, laminate solid vinyl tile, or rubber flooring. Use of this adhesive over vinyl asbestos tile or vinyl composition tile is acceptable when all finishes, including waxes and sealers have been removed.

Not recommended for application over old cut-back, bituminous or petrochemical based adhesives. Cannot be used over chemically cleaned subfloors.

Note: It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper amount of adhesive, and ensure that all instructions, procedures, and practices are strictly adhered to. Gypsum or dusty substrates will require an approved primer.



**INSTALLATION SPREAD RATES:**

Apply adhesive (utilizing spread rates listed below) onto prepped and approved substrate until it becomes “dry/tacky.” Drying times may vary significantly depending on installation site. “Dry/Tacky” refers to the adhesive not transferring onto finger tips when touched. Adhesive will remain workable up to 12 hours in a clean, dust free environment.

Bentley AFIRMA II Hardback Tile - Up To 100% RH

Use: 3/8" (19.05mm) Nap Paint Roller

Coverage: Between 300-350 ft<sup>2</sup>/gal (7.4-8.6 m<sup>2</sup>/L) 33-38 yd<sup>2</sup>/gal

Bentley NexStep Cushion Tile - Up To 100% RH

Use: 1/16" x 1/32" x 1/32" U-Notch Trowel (1.6mm x 0.8mm x 0.8mm)

Coverage: Between 225-275 ft<sup>2</sup>/gal (5.5-6.8 m<sup>2</sup>/L) 25-30 yd<sup>2</sup>/gal

Bentley LuxFelt Cushion Tile - Up To 100% RH

Use: 1/2" (12.7mm) Nap Paint Roller

Coverage: Between 300-325 ft<sup>2</sup>/gal (7.4-8.0 m<sup>2</sup>/L) 33-36 yd<sup>2</sup>/gal

Bentley EliteFlex 6 ft Hardback - Up To 100% RH (Dry Set Installation Only)

Use: 1/16" x 1/32" x 1/32" U-Notch Trowel (1.6mm x 0.8mm x 0.8mm)

Coverage: Between 225-275 ft<sup>2</sup>/gal (5.5-6.8 m<sup>2</sup>/L) 25-30 yd<sup>2</sup>/gal

or

Use: 1/2" (12.7mm) Nap Paint Roller

Coverage: Between 300-325 ft<sup>2</sup>/gal (7.4-8.0 m<sup>2</sup>/L) 33-36 yd<sup>2</sup>/gal

Bentley EliteFlex 6 ft Cushion - Up To 100% RH

Use: 1/16" x 1/32" x 1/32" U-Notch Trowel (1.6mm x 0.8mm x 0.8mm)

Coverage: Between 225-275 ft<sup>2</sup>/gal (5.5-6.8 m<sup>2</sup>/L) 25-30 yd<sup>2</sup>/gal

or

Use: 1/2" (12.7mm) Nap Paint Roller

Coverage: Between 300-325 ft<sup>2</sup>/gal (7.4-8.0 m<sup>2</sup>/L) 33-36 yd<sup>2</sup>/gal

Bentley LVT/HVT - Up To 95% RH

Use: 1/16" x 1/32" x 1/32" U-Notch trowel (1.6mm x 0.8mm x 0.8mm)

Coverage: Between 225-275 ft<sup>2</sup>/gal (5.5-6.8 m<sup>2</sup>/L) 25-30 yd<sup>2</sup>/gal

modulys Tile – On or Below Grade - Up To 95% RH, Above Grade - Up To 99% RH

Use: 1/4" Nap Paint Roller (6.35mm)

Coverage: Between 450-500 ft<sup>2</sup>/gal (11.0-12.3 m<sup>2</sup>/L) 50-55 yd<sup>2</sup>/gal

For Metal Raised Access Floors, please contact Bentley Mills Field Services at 1(800)423-4709 for further instructions.

**Vapor Barrier must be present on all concrete substrates for modulys, LVT and HVT only.**

**CLEAN UP:**

Clean up: When wet, use warm soapy water. When dry, use denatured alcohol or equivalent.

**STORAGE AND SHELF LIFE:**

Two years from date of manufacture in unopened, properly stored container at 50°F-90°F (10°C-32°C). Freeze thaw stable to 10°F (-12°C) for three cycles.

**CAUTION:**

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

**PRECAUCIÓN:**

No ingiera. En caso de ingestión, No induzca el vómito. Llame a un médico inmediatamente. MANTENER FUERA DEL ALCANCE DE LOS NIÑOS.

**Notice:**

For Safety Data Sheets (SDS) or other information please contact Bentley Mills Field Services at 1(800)423-4709.

Disclaimer: The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which the manufacturer assumes legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or product referred to herein. No warranty of fitness for a particular purpose is made. Distributed by Bentley Mills, 14641 E. Don Julian Rd., City of Industry, CA 91746.