Product Datasheet

PALLMANN®

WOOD FLOOR ADHESIVE

NEXUS–ELITE

PREMIUM PRO, All-In-One wood floor adhesive with Moisture and Sound Control

PRODUCT DESCRIPTION:

All-In-One, single-component, solvent and water-free STP wood flooring adhesive with moisture and sound control.

AREA OF APPLICATION:

- Solid tongue and groove strip and plank, **without width or length restrictions**
- Prefinished and unfinished engineered wood flooring, **without width or length restrictions**
- Radiant heat systems
- Exotic species
- Most subfloors with adequate strength–concrete, fortified gypsum, plywood, and OSB
- Double stick application approved including recycled rubber
- Warm board approved
- Advantech Plywood approved
- No limitations on board width and length for nail down glue assist (B-11 trowel)

NOTE:

DOT UN-Number: Not regulated
Hazard Class / PG: Not regulated
Certification: SCS Indoor Advantage™ Gold
Recommended applicators: UZIN All-in-One Trowel, B-11 Trowel



FEATURES – BENEFITS:

- All-in-One Adhesive
- Moisture control up to 100% RH – Prevents floor adhesion failure
- Reduces impact & airborne noise (ASTM rated) – Absorbs noise that may travel through floors
- Extended working times – Efficient placement of adhesive & wood flooring
- Silane technology for superior bonding – Strong mechanical bond with wood floor and strong chemical bond with substrate
- No limitations on width or length of solid or engineered wood flooring

TECHNICAL DATA:

Packaging:	3 U.S. gal plastic pail (11.4 L)
Shelf life:	Min. 18 months
Color:	Brown-beige
Coverage:	• **For moisture control on subfloors up to 100% RH,** 25 – 35 sq.ft. per gallon / 75 – 105 sq.ft. per pail (using UZIN All-in-One Trowel Clip). • **When used in conjunction with a PALLMANN® MVR or when moisture content does not exceed 90% RH,** 65 sq.ft. per gallon / 195 sq.ft. per pail (using B11 trowel).
Working climate:	Min. 60 – 85 °F (15 – 25 °C) min. 60 °F at floor level
Working time:	Up to 1 hour*
Ready for sanding:	After approx. 24 hours*
Load-bearing:	After approx. 8 hours*
Final strength:	After 5 – 7 days*
VOC	< 10 g/L
Water vapor permeability	According ASTM E 96, < 3 Perms

* at 70 °F and 65 % rel. humidity

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INSTRUCTIONS:

BEFORE USING, READ ALL DIRECTIONS AND THE SAFETY DATA SHEET (SDS).
FOR PROFESSIONAL USE ONLY.
This product meets or exceeds all applicable state and federal clean air quality standards, reflecting our commitment to personal health, indoor air quality, and environmental sustainability. If technical advice is needed, contact PALLMANN® (1-866-505-4810), a division of Uzin Utz North America, before using the product.

- The substrate must be flat and level, sound, free from cracks, dry with no visible standing water, and dry to the touch, clean and free from materials which would impair adhesion (dirt, oil, grease, curing agents, and sweeping compounds). Thoroughly brush, abrade, grind, or shotblast to remove weakly bonded or soft surface areas. All concrete surfaces must be processed by these methods to an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #2 to #3. Thoroughly vacuum off any loose material or dust.
- When using the B-11 trowel and applying adhesive at 65 sq.ft. per gallon, MVER using ASTM F 1869 (Calcium chloride test) shall not exceed 15 lbs/24 hours/1000 sq.ft. Relative humidity using ASTM F 2170 (RH Probe test) shall not exceed 90%.
- If MVER readings exceed 15 lbs. or 90%, use UZIN All-in-One Trowel and spread the adhesive at a coverage rate of up to 35 sq.ft. per gallon.
- For maximum moisture protection, ensure 100% transfer and coverage of adhesive to the concrete subfloor to achieve 100% RH protection.
- Alternatively, 100% RH protection can be achieved using PALLMANN P108 DEFEND prior to application of adhesive. (See product labels for detailed instructions.)

APPLICATION

1. Allow the contents of the container to come to room temperature before use. Once opened, peel the plastic cover from the surface and, if necessary, remove any surface skin which may have formed – do not mix in the skinned-over product.

2. Follow the wood flooring manufacturer´s guidelines for layout, design, and any special precautions for installation. Apply the adhesive evenly using the correct trowel size (refer to the chart). Only apply as much adhesive as can be covered within 60 minutes. Lay the wood flooring into the adhesive bed with a light twisting motion and press or tap it into place. Ensure complete adhesive transfer to the back of the wood flooring. For moisture control installation, ensure 100% transfer and coverage.

Approximate Coverage:

- For moisture control on subfloors up to 100% RH, 25 – 35 sq.ft. per gallon / 75 – 105 sq.ft. per pail (using UZIN All-in-One Trowel).
- When used in conjunction with a PALLMANN MVR or when moisture content does not exceed 90% RH, 65 sq.ft. per gallon / 195 sq.ft. per pail (using B-11 trowel).

Purpose:	Moisture control up to 100% RH
Recommended Trowel:	UZIN All-in-One Trowel Clip 1/8” x 1/8” x1/8” x 1/16”
Coverage:	25 – 35 sq.ft. per gal. / 75 – 105 sq.ft. per pail

Traditional Installation Method***

Type of wood flooring:	**Solid wood flooring without limitations** **Engineered wood flooring without limitations**
Typical Trowel:	B-11 Trowel 3/16" x 1/4"x 5/16"
Coverage:	65 sq.ft. per gal. / 195 sq.ft. per pail

*** Coverage shown is for estimating purposes only.
Actual jobsite coverage may vary depending on substrate conditions, the type of trowel used, and setting practices.

Sound-Reduction Ratings

Solid Oak Wood[1] 3/4” (19 mm) Thick Over 6” (15-cm) Concrete Slab[2]

ASTM Test Method	No Suspended Ceiling	Suspended Gypsum Ceiling
ASTM E90-09 (2016)/E413-16(STC) – Airborne sound	50	62
ASTM E492-09/E989-18 (IIC) – Impact sound	47	68
ASTM E2179-03 (Delta IIC) – Impact sound	18	
Assembly details: PALLMANN® NEXUS–ELITE hardwood flooring adhesive applied with B-11 notch trowel 1. 1 layer of 3/4" thick x 3-1/2" wide (19 mm x 8,9 cm) random-length, solid oak, prefinished hardwood flooring 2. 6" (15,24 cm) thick reinforced concrete slab; weight is 70 psf (366,2 kg per m²)		

CLEAN UP:

Remove adhesive spills immediately from the flooring surface using PALLMANN® CLEAN BOX wipes.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgment and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this Product Data Sheet invalidates all previous product information. The respective updated version of this datasheet can be found on our homepage at us.pallmann.net | 11/2026

PRECAUTIONS:

WARNING: Contains Trimethoxyphenylsilane. May cause damage to organs through prolonged or repeated exposure. Do not breathe mist/vapors/spray. Get medical advice/ attention if you feel unwell. Wear protective gloves.

FIRST AID

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Observe the safety information on the product label and the safety data sheet (SDS).

WARNING: This product can expose you to chemicals, including crystalline silica, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Do not handle until all safety instructions have been read and understood. Safety Data Sheet (SDS) is available at us.pallmann.net.

DISPOSAL:

Dispose of the product and packaging according to all federal, state, and local applicable regulations. Avoid or minimize waste generation when possible. Cardboard packaging is recyclable.

INDOOR AIR QUALITY INFORMATION

Certification: SCS Indoor Advantage™ Gold

VOC content: < 10 g/L, Compliant with SCAQMD 1168

VOC emission: Low VOC Emission: 5mg/m3 or less TVOC emission per CDPH testing method

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