ULTRA GLUE

3-STEP - Hardwood Flooring Adhesive

PRODUCT DATA SHEET

Adhesives that hold like a promise.

WHAT IT IS

3-Step is a **one-component, moisture-curing elastic adhesive** built on a copolymer-modified silane (MS-polymer) resin. One product does three jobs in a single pass: **Step 1 - moisture protection, Step 2 - sound control, Step 3 - the adhesive itself.** It cures from the surface inward into a tough, highly elastic bond that moves with the wood instead of fighting it. No mixing, no solvents - free of toluene, formaldehyde, and halogenated hydrocarbons.

AVAILABLE IN

- **600 mL sausage packs** - for the sausage gun: full-spread or serpentine bead work
- **3.5 gal buckets** - for trowel full-spread application

MADE FOR

- **Engineered hardwood** flooring
- **Solid hardwood** and industrial wood flooring
- Cork flooring and residential veneer panels
- Permanent elastic bonding - cured glue does not shrink, discolour, or crack

KEY NUMBERS

Tensile strength	**2.3 MPa** (standard requirement ≥ 1.8 MPa)
Elongation at break	**350%** - stays flexible for the life of the floor
Hardness	Shore A 43 - firm but elastic
Tack-free time	Approx. **60 minutes** (23 °C / 55% RH)
Cure rate	3.0 mm per 24 hours, surface to core
Spread rate	1.0-1.3 kg/m² full-spread (typical 1.15)
Coverage	Approx. **150-195 sq ft per 3.5 gal bucket** at full spread, depending on trowel and substrate
Density	1.38 g/cm³
Service temperature	-40 °C to +90 °C once cured
Shelf life	12 months, stored sealed at 10-27 °C

HOW TO APPLY

1. **Prep:** substrate dry and clean before gluing - no cracks, sanding dust, hollowing, or contamination. Floor flatness must meet installation spec. Run a compatibility / adhesion test first on new materials.
2. **Conditions:** do not apply below **13 °C**. Temperature and humidity change the tack-free time and cure speed - watch conditions and adjust your pace.
3. **Apply:** trowel full-spread from the bucket, or gun-applied bead / serpentine from the sausage pack, following the install method for the plank width.

4. **Set the wood:** lay the flooring into the adhesive while it is still workable and seat it fully.
5. **Protect the job:** keep pails and tools off the finished floor to avoid stains.

AFTER LAYING

No foot traffic	For the first **5-12 hours** after laying
Full service	Floor is fully usable after **24 hours**

LIMITS - READ BEFORE YOU START

- Not a structural sealant - do not use it as one.
- Not for frosted or damp surfaces, continuous water immersion, or permanently high-humidity areas.
- Not for materials that bleed grease, plasticizers, or solvents.
- Run a trial panel before large production runs. Use within shelf life - never use expired product.

STORAGE

Store in a cool, dry place at **10-27 °C**, container tightly closed. Shelf life **12 months**. Use opened product as soon as possible.

SAFETY - THE SHORT VERSION

Signal word: Warning. Causes skin irritation (H315). May cause an allergic skin reaction (H317). Causes serious eye irritation (H319).

- Wear protective gloves and eye protection. Wash face, hands, and exposed skin thoroughly after handling.
- Contaminated work clothing should not leave the workplace; wash it before reuse.
- **Skin contact:** wash with plenty of soap and water. If irritation or a rash occurs, get medical advice.
- **Eye contact:** rinse cautiously with water for several minutes; remove contact lenses if easy to do. If irritation persists, get medical advice.
- Keep out of reach of children. Ventilate the work area during curing - a trace of chemical vapour is released while curing; the cured adhesive is non-toxic. Dispose of contents and container in accordance with local regulations.
- Full safety data sheet (SDS) available on request.

CERTIFICATIONS

Certified to: **REACH**, **RoHS**, **EC1 PLUS** (very low emission), **FloorScore**, **France A+**, **AgBB**, and **Belgian VOC** requirements. Certificates available on request.

Figures are typical tested values at 23 °C / 55% RH from the product technical file. Coverage is calculated from the tested spread rate. Always run a small adhesion test first - jobsite conditions govern the result.