

SPECIFICATION SHEET

The underlay.

Every laminate floor we lay floats on a dedicated underlay between the boards and the subfloor. This sheet covers what that layer is, the job it does, and the numbers behind it.

What it is

A high-density **IXPE foam**: polyethylene that has been cross-linked, which seals the foam into closed cells and sets its spring permanently. A closed-cell foam does not soak up moisture and does not pack down under years of traffic, so the floor feels the same in year ten as it does on day one.

The foam is bonded to a thin plastic film. Foam and film together make one roll, laid in a single pass.

The job it does

- **Moisture control.** The film side faces the subfloor and keeps ground moisture out of the boards.
- **Quiet.** The foam separates board from slab, so footfall lands soft instead of drumming.
- **Evenness.** Minor subfloor variation disappears into the foam, letting the click joints sit flat.
- **A settled floor.** A floating floor moves as one surface; the underlay is the layer that lets it, without squeaks or hard spots.

How it goes down

Rolled out wall to wall with the **film face down and the foam face up**, runs laid tight against each other. The boards click together on top and float: nothing is fixed through the underlay, and no adhesive is used anywhere in the floor.

The underlay is part of the number on every laminate quote, not an extra: the same way the adhesive system is included on every timber floor.

The material

Property	Specification
Material	High-density IXPE foam (cross-linked closed-cell polyethylene) with bonded moisture film
Thickness	2mm or 3mm, selected per job
2mm roll	1000mm wide × 20m · 20m ² per roll
3mm roll	1100mm wide × 9.9m · 10m ² per roll

Made for floating floors

Floor type	Suitable
12mm laminate (ATS Laminate)	Yes
8 to 10mm laminate	Yes
14 to 15mm engineered timber, floated	Yes
Glue-down floors	No · glued floors bond straight to the subfloor

Why the density matters

A soft underlay lets click joints flex every time they are walked on, and joints that flex eventually wear. A high-density foam supports the joint from below, and the 15 year ATS Laminate cover requires an approved underlay under the floor: this is ours.