

MONDOELASTIC



Areaelastic indoor flooring system, with a engineered hardwood (beech or oak) finish on top, built on site with several different layers in a **total thickness of 62 mm**:

- A 500 gauge polyethylene sheet previously fitted on the floor, which prevents from high humidity rate coming from the subfloor by mean of creating a barrier of vapour.
- Elastic rubber supports: The structure is fitted with truncated cone-shaped elastic supports in its lower part, measuring 30 mm in height and with an upper diameter of 65 mm and lower diameter of 40 mm, manufactured using a rotacional modelling system process. These pads will be always equidistant from each other. The supports have been specifically designed for different sports, can absorb

impact and revert to their original position thanks to the inner air chamber. Its watertight hollow structure enables the air to act as a damper and maintains the properties and values of damping and deformation following a totally uniform curve.

- Two layers of 9mm phenolic plywood, interlinked at 70°, glued and screwed to each other, so to guarantee the best system uniformity.
- Final layer in engineered harwood (beech or oak) pre-finished and pre-varnished with a sport coating for ensured friction, in a total thickness of 14 mm (approx. 4 mm solid wood layer, plus minimum 10 mm of balancing plywood). The staves must be embedded together (tongue and groove) and fixed to the support layer using the "hidden nail" fixing technique, with headless nails driven in with an inclination of 45° on the upper limit of the tongue side of the staves.

This product is ideal for a multisport indoor hall where different indoor sport competitions are held, such of basketball, handball, volleyball, badminton or futsal.

STANDARDS COMPLIANCE

This product has been certified to be in compliance with the European Standard EN 14904 ("Surfaces for sports areas - Multi-sports floor systems for indoor use") including Declaration Of Performance (DoP, CE marking) and it is rated Euroclass Cfl-s1 in accordance with EN 13501.

This product has been tested in accordance with European Standard EN 13501 in external laboratory also on top of a vinyl or rubber resilient flooring of 2 to 10 mm thickness and rated fire Euroclass Cfl-s1.

This product has been certified in compliance with the following schemes and standards for Indoor Air Quality programs (VOC, Volatile Organic Compounds emissions):

- Italian regulation CAM (Minimum Environmental Criteria) following D.M. 06/23/2022.

This article is produced in compliance with the European Regulation REACH (Registration, Evaluation, Authorization and Restriction of Chemicals).

This product is designed and manufactured according to UNI EN ISO 9001 certification.

CERTIFICATIONS

Available International Sport Federation certificates for this product:

FIBA Certificate of Approval for Wooden Flooring Category, Competition Level 1 and 2

FIFA QUALITY PROGRAMME FOR FUTSAL SURFACES – FIFA Laboratory Test Report n. 114676

INSTALLATION AND MAINTENANCE

The product must be stored and installed in appropriate conditions, including suitable protected premises at guaranteed minimum and maximum temperatures and humidity, as fully described in MONDO's *Storage and Installation Instructions*.

The product must be used and maintained following the premises described in MONDO's *Use and Maintenance Instructions*.

DIMENSIONS

Thickness	Weight
62 mm	16,7 kg/m ²