

Barlinek's recommendations for arranging furniture, cabinets, pool tables and kitchen islands on floating multi-layered hardwood floor

Barlinek approves installing heavy furniture on floating floors. When installing furniture, cabinets or kitchen islands on the floating floor a few rules should be followed:

1. Requirements for underlay*

Resistance to loads and daily use (dynamic load (DL), compressive creep (CC) and compressive strength (CS))

It is a requirement to use underlay that can withstand various types of loads for many years of use and that will not deform or lose its properties. The underlay is subjected to daily loads due to walking, standing, or furniture placement on the floor, etc.:

- DL - dynamic loads due to walking
- CS - compressive strength due to short-term load
- CC – compression due to long-term static load, e.g., furniture placed on the floor

Barlinek recommends the following requirements for underlays depending on the place of their installation: (equivalent underlay can be used as long they meet the requirements for the Minimum or Higher Requirement Underlay shown below in the chart.

**For floating installation of the Barlinek herringbone floorboards with Optilock, regardless of the place of installation and for all areas where cabinets or a pool table would be installed for any Barlinek product, an underlay using the Higher Requirement Underlay is required. (See chart below)*

Minimum Requirement Underlay (Plank flooring)	Higher Requirement Underlay (Herringbone and Plank flooring)
DL ≥ 25,000 cycles (25,000 times a person stands at the same point of the floor)	DL ≥ 100,000 cycles (100,000 times a person stands at the same point of the floor)
CS ≥ 21.7 psi (150 kPa)	CS ≥ 31.9 psi (220 kPa)
CC ≥ 2.9 psi (20 kPa)	CC ≥ 5.8 psi (40 kPa)
The following underlays in Barlinek's offer meet these requirements: <ul style="list-style-type: none"> • EKO under-floor tiles: • Cork mat • FixMat SOUND 2.1SD • EXTREME 1.5 	The following underlays in Barlinek's offer meet these requirements: <ul style="list-style-type: none"> • FixMat SOUND 2.1SD • EXTREME 1.5

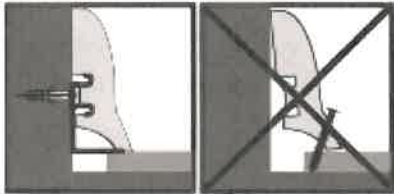
2. Requirements for substrate

- a. The maximum unevenness of anhydrite or concrete screed: 1/8" (3mm) over a length of 78.74" (2m) or 5/64" (2mm) over a length of 39.37" (1m).
- b. Screed without cracks (possible cracks reinforced with clamps).
- c. MFP and OSB wood-based panels intended for indoor use should be equipped with tongue and groove connection elements on four sides at their edges. Boards without tongue and groove joint must not be used on the under-floor substrate.




- d. For under-floor structures installed on joists, the required axial spacing of the joists is $\leq 13.78''$ (350 mm) with the MFP / OSB support board thickness $\geq 0.7''$ (18 mm). Necessary condition: boards must be equipped with tongue and groove connection elements at their edges.

3. Installation of skirting boards/ transition boards
4. Install skirting boards/ transition boards only to the walls, legs of furniture, cabinets or kitchen islands. Never install skirting boards/ transition boards directly to the floor.



5. Practical advice
 - a. The legs of furniture, chairs, cabinets, etc. must be protected with felt pads.
 - b. When arranging furniture, cabinets or chairs, do not slide them across the floor.
 - c. Armchairs and other furniture items with wheels must be used on protective plastic mats to protect hardwood floor from scratches and damage. Wheelchairs of any types are acceptable as long as the floor is properly installed to the guidelines.
6. Specification Sheet for Approved Underlay
 - a. the approved underlay specifications can be found on www.us.barlinek.com
 - b. we recommend consulting the website prior to the purchase of the underlay and for installation methods
 - c. always follow the guidelines of the manufacture to avoid issues with your new flooring

TECHNICAL
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