

Bjelin Floor underlay

SKU: 20400

Floor underlay is a closed-cell foam made of high-performance polyolefin. It is produced without CFCs and HCFCs and contains neither plasticizers nor heavy metals or other hazardous substances.



PRODUCT FEATURES

- Excellent sound insulation in combination with excellent impact sound reduction
- Very good compressive strength and dynamic load capacity which guarantee extraordinary durability
- Meets increased requirements of EPLF

APPLICATION

- Applicable for floating installation under Woodura, Nadura, laminate and parquet floorings

PROTECTS THE FLOOR FROM DAMAGE - INCREASES LIVING COMFORT



Reduction of
walking sound



Reduction of
impact sound



Suitable for
underfloor heating

General properties	15m ² unit
Thickness (mm)	2
Width (mm)	1000
Length (m)	15
Packaging unit m ²	15

Properties	Norm	Value
Thickness of the underlay measured at 100 Pa pre-load	EN 823	2.0 (±10%) mm
Reflected walking sound	intern, SAAG WS 021029-5 F1	30 %
Impact sound reduction (IS)	EN ISO 10140-3 / EN ISO 717-2	20 dB
Compressive Strength (CS)	EN 826	≥ 70 kPa
Compressive creep under long term static load (CC)	EN 1606	≥ 20 kPa
Dynamic load (DL) - alternating load cycles from σ_{min} = 0.1 to σ_{max} - number of load cycles - max. deformation / thickness loss Δd	EN 13793	25 kPa ≥ 1'000'000 no.cycl. ≤ 0.5 mm
Punctual conformability (PCv)	EN 16354:2018	1,5 mm
Resistance to impact by large diameter ball (RLB)	EN 13329 Annex F and EN 438 Chapter 21	1,2 m
Thermal resistance (TR) ²⁾	EN 12667 / EN 12664	0,046 m ² K/W
Water vapour diffusion resistance (SD) ³⁾	EN 12086	20 m
Water absorption by foam (WA)	EN 12087	< 1 Vol%
Reaction to fire (RTF)	Test acc. EN ISO 11925-2 classification acc. EN 13501-1, Table 2	Efl class

n.p.d. = no performance determined

1) Tests done in accordance to the mentioned standards and the modifications listed in document EN 16354:2018. Impact and walking sound performance values are determined in standardized test environment. In the real application situation, these values may differ due to the influences of structural designs related to construction.

2) According to the recommendations of "Bundesverband Flächenheizungen und Flächenkühlungen e.V. (BVF)" and EN 1264-3, this underlay is applicable for underfloor heating systems. The total R-value of the complete floor construction of max. 0,15 m² K/W, has to be considered.

3) The mentioned value for water vapour diffusion (SD value) is valid for the underlay only and only then in case the joints of the separately installed underlay rolls are perfectly connected by means of a suitable adhesive tape.

Storage conditions: Do not store outdoors, protect from exposure of sunlight, prevent electrostatic discharges, keep away from ignition source, do not smoke!

The information contained herein is correct to the best of our knowledge. All properties are based on individual values and should be considered as guideline, not as specification.

Recommendations as to methods of application and use of Sekisui Alveo foams are based on our experience and are given in good faith. We have no control over the application of

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