

# Black Uni-B1 1,5/2/3/5 mm

Black Uni is a high density PU foam based compound. Black Uni is suitable for the installation of Dry back pvc/lvt, click pvc/lvt, composite as laminate and wooden floors in both domestic and project area's. Black Uni is a universal product for all kind of floorcovering

- Acoustic underlay with very good sound insulation values
- Very low emissions
- Also available in flame-retardant version (B1/Bfl-S1 certificate)
- High pressure stability
- Underfloor heating suitable
- Meets the increased requirements of CEN/TS-16354 of EPLF/MMFA
- Both surfaces with anti-slip properties to support click connections

<b>Installation method :</b>	Floating or Glue installation. Install the seams tightly.
<b>Direction of installation method</b>	Always install the underlay in a 90 angle underneath the length of the floorcovering in order to avoid matching of seams in underlay and floorcovering.
<b>General building inspection license:</b>	NA
<b>Quietroom® label:</b>	NA
<b>Thickness:</b>	1,5/2/3/5 mm / $\pm 0,15/2/3/5$ mm - maximum tolerance 10%
<b>Dimensions:</b>	30 m x 1 m = $\pm 30$ m <sup>2</sup> (1,5 and 2 mm) / 20 m x 1 m = $\pm 20$ m <sup>2</sup> (3 mm) / 16 m x 1 m = $\pm 16$ m <sup>2</sup> (5 mm)
<b>Weight:</b>	1,5 mm = 825 gr/m <sup>2</sup> / 2,0 mm = 1.100 gr/m <sup>2</sup> / 3 mm = 1.650 gr/m <sup>2</sup> / 5 mm = 2750 gr/m <sup>2</sup> / $\pm 83 / 110 / 165 / 275$ gr/m <sup>2</sup> - maximum tolerance 10%
<b>Density:</b>	550 kg/m <sup>3</sup> / $\pm 55$ kg - maximum tolerance 10%
<b>Material:</b>	PU foam compound
<b>Packing:</b>	Material : recycled HDPE foil (no core) with insert sheet

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## Technical information:

	CEN/TS 16354	Unit	1,5 mm	2,0 mm	3,0 mm	5,0 mm
<b>Punctual Conformability</b>	PC	mm	> 0,5	> 0,5	> 0,5	> 0,5
<b>Compressive strenght</b> (Test method: EN 826 + Annex a)	CS	kPa/m <sup>2</sup>	>500	>400	>400	>200
<b>Water Vapor Diffusion Resistance</b>	SD	m	<75	<75	<75	<75
<b>Caster chair test</b> (Test method : EN 985)			Passed	Passed	Passed	Passed
<b>Impact Sound Reduction</b> (Testmethod: ISO 140-8:1998 & ISO 717-2:1997) * (depending on floor covering)	IS	$\Delta L_w$ dB	16-25*	16-25*	16-25*	16-25*
<b>Radiated Walking Sound Reduction</b> (Test method: CEN/TS-16354)	RWS	%	20	20	20	Depending on the surface area
<b>Thermal Resistance</b> (Test method: NA)	R	m <sup>2</sup> K/W	0,030	0,040	0,050	0,060
<b>Fire retardancy</b> (Test method: EN ISO 9239-1)			Efl/Bfl	Efl/Bfl	Efl/Bfl	Efl-S1
<b>ASTM</b> (Test method: ASTM E 648-06)			NA	NA	NA	NA
<b>Russian requirements on fire safety</b> (Test method: FZ-123)			NA	NA	NA	NA

## Installation instructions:

- Let the floorcovering as well as the underpadding acclimatise for 24 hours in the original packing in the room to be installed.
  - The best temperature for installation is 5-20°C. and a humidity of 50-70%.
  - Make sure that the underfloor is absolutely dry and free of grit and dust.
  - To cut the underpadding we recommend to use a trapezium blade.
  - Underpadding can not prevent the natural shrinkage of Floorcovering. For that reason we strongly advise to leave a gap a 8-10 mm allong all walls.
- Always follow the installation instructions of the floorcovering manufacturer.

## Important:

In case the installation has not been done in accordance with the installation instructions, estillon can not be held responsible for any damage or claim as a result of an incorrect installation. In case of doubt always consult your supplier.

