ELKA PRO LAY TDS

Elka Pro Lay is a fantastic option for enhancing both the comfort and sustainability of a space! With a 23 dB sound reduction, it would significantly reduce noise transmission between rooms, making it ideal for both residential and commercial settings. Plus, the fact that it incorporates recycled materials adds an eco-friendly element, which is great for reducing the overall environmental impact.

Characteristic	Test Method	Result
Nominal thickness		3.50mm
Roll length		10.00m
Roll width		1.00m
M2 per roll		10.00m2
Weight M2		ca. 1.26kg/m2
Nominal roll weight		ca. 12.6kgs
Work of compression	BS 4098: 1975	60J/m2
Retention of work of compression	BS 4098: 1975	74%
Compression after dynamic loading	BS 4098: 1975	1.8mm
Loss in thickness after static loading	ISO 3416	10%
Loss in thickness after dynamic loading	ISO 2094	10%
Breaking strength - length	EN ISO 13934-1a	187N
Breaking strength - width	EN ISO 13934-1a	131N
Extension under force - length	ENISO 13934-1	1.70%
Extension under force - width	EN ISO 13934-1	1.70%
Resistance to cracking	BS EN 14499: 2015	Pass
Resistance to bacteria		Biocide agent added
Flammability - Hot metal nut test	BS 4790: 1987	Low radius of effects of ignition
Tog rating	BS 4745: 2005	0.8
Thermal conduction resistance	EN 16354	0.08m²K/W
Impact sound improvement	BS EN ISO 10140-3: 2010	23dB
Moisture barrier properties	ASTM E96	Typical value 0.5

Floor Heating

An ideal installation has a combined total R-value (floor and underlay) that doesn't exceed 0,15 m²K/W.
Below table gives an overview of the maximum moisture content of your sub floor.

	With floor heating	Without floor heating
Cement screed	1,5 % CM (60% RH)	2,5 % CM (75% RH)
Anhydrite screed**	0,3 % CM (40% RH)	0,5 % CM (50% RH)

**** For certain anhydrite screeds, the "milk-skin" must be removed mechanically (sanding & vacuum cleaning)**

Unilin Flooring UK & Ireland Limited Division Technical Unit 3, Academy Business Park, Arbour Lane, Knowsley, Liverpool L33 7XB

Tel: 028 30 250477 **Fax:** 028 30 250223 **www.elkaflooring.co.uk**