



TECHNICAL SPECIFICATION
ELKALAY

Elkalay offers an economic solution for insulating laminate floors. Elkalay is produced from closed cell Polyethylene Foam which is CFC and HCFC free and 100% recyclable. The product is available in various sizes to suit most applications. Minor floor imperfections may be accommodated by using these materials. The product has very effective acoustic qualities.

<u>TESTS</u>	<u>NORMS</u>	<u>VALUE</u>		
Nominal Thickness	BS4051	3mm		
Tolerances	Thickness	+ or - 2%		
	Width and length	+ or - 3%		
Nominal Weight		90 g/m ²		
Apparent Density	DIN 53420 - kg/m ³	22 - 25		
Tensile Strength	DIN 53571 - N/mm ²	Along	0.41	
		Across	0.29	
Elongation	DIN 53571 - %	Along	140	
		Across	90	
Compressive Stress	DIN 53577 - N/mm ²	10%	0.03	
		20%	0.04	
		30%	0.05	
		50%	0.15	
		70%	0.38	
Compression Set	DIN 53572 - % - N/mm ²	24hrs	34	
		22h / 20 C / 50%	3 days	9
			7 days	8.1
			14 days	6
Lamda Value	DIN 52612 - W/mk 10%	.046		
Water Absorption	DIN 53428 - Vol %	1hr	1.00	
		24hrs	1.40	
		28 days	<4	
Self Extinguished	UL 94 HF	Class 1		
Weight Impacted				
Sound Reduction	BSEN ISO 1408	17dB		