Isocheck Underwood

Product Data

- **High content of recycled vehicle tyres**
- **Suitable for laminate and wood flooring**
- **Excellent impact sound insulation properties**
- **Ideal for underfloor heating – low tog rating**
- **Integral moisture barrier**

Isocheck Underwood is a rubber crumb underlay which has been specially developed for use with laminate and wood flooring. It is designed to provide resilience, durability and support to protect against undue stress in wood and laminate flooring. From a relatively light weight it delivers excellent impact sound insulation and the integrated metallised scrim ensures good resistance to moisture transmission thereby eliminating the need for additional polythene sheeting.

Isocheck Underwood is manufactured mainly from a high content of recycled vehicle tyres bound in a unique latex formulation. This high content of recycled raw materials ensures that the product has strong environmental credentials.

Isocheck Underwood in both thicknesses has a low tog rating which makes it ideal for underfloor heating systems which are becoming more and more popular beneath laminate and engineered wood flooring.

CHARACTERISTIC	RESULT		TEST METHOD
Roll Width	1.0m		BS 5808: 1991 *(Specification for underlays for textile floor coverings)*
Roll Length	10.0m		BS 5808: 1991 *(Specification for underlays for textile floor coverings)*
M^2 per roll	$10m^2$		BS 5808: 1991 *(Specification for underlays for textile floor coverings)*
Gauges	3.5mm	4.5mm	BS 4051: 1987 *(Method for determination of thickness of textile floor coverings)*
Weight M^2 Roll Weight	ca. 1.26kgs ca. 12.6kgs	ca. 1.47kgs ca. 14.7kgs	
Work of compression After dynamic loading	60 J/m^2	64 J/m^2	BS 4098: 1975 *(Method for the determination of thickness, compression and recovery characteristics of textile floor coverings)*
Retention of work of compression	74%	82%	BS 4098: 1975 *(Method for the determination of thickness, compression and recovery characteristics of textile floor coverings)*
Compression after dynamic loading	1.8mm	2.3mm	BS 4098: 1975 *(Method for the determination of thickness, compression and recovery characteristics of textile floor coverings)*
Thickness loss after dynamic loading	10%	10%	BS 4052: 1987 *(Method for the determination of thickness loss of textile floor coverings under dynamic loading)*
Thickness loss after static loading	10%	8%	BS 4939: 1987 *(Method for the determination of thickness loss of textile floor coverings after prolonged heavy static loading)*

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CHARACTERISTIC	RESULT		TEST METHOD
Breaking strength – length	187N	177N	BS 2576: 1986 *(Method for the determination of breaking strength and elongation (strip method) of woven fabrics)*
Breaking strength – width	131N	121N	BS 2576: 1986 *(Method for the determination of breaking strength and elongation (strip method) of woven fabrics)*
Extension under force - length	1.7%	2%	BS 2576: 1986 *(Method for the determination of breaking strength and elongation (strip method) of woven fabrics)*
Extension under force – width	1.7%	1.6%	BS 2576: 1986 *(Method for the determination of breaking strength and elongation (strip method) of woven fabrics)*
Resistance to cracking	Pass	Pass	BS 5808: 1991 *(Specification for underlays for textile floor coverings)*
Resistance to bacteria	Biocide agent added		BS 4790: 1987 *(Method for the determination of the effects of a small source of ignition on textile floor coverings (hot metal nut method)*
Flammability*	Low radius of effects of Ignition		BSEN ISO 140-8: 1998 *(Measurement of sound insulation in buildings and of building elements. Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor)*
Acoustic Properties	23dB	26dB	BS 4745: 2005 *(Determination of the thermal resistance of textiles)*
Tog rating	0.8	0.9	ASTM E96 *(Standard test method for Water Vapour Transmission of materials)*
Moisture Barrier properties	Typical value 0.5		

*When tested in accordance with installation guidelines

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