

Title (en)  
Lining material, process for its manufacture and its use

Title (de)  
Trägereinlage, Verfahren zu deren Herstellung und deren Verwendung

Title (fr)  
Matériau de garnissage, procédé pour sa fabrication et son utilisation

Publication  
**EP 0806510 A1 19971112 (DE)**

Application  
**EP 97106879 A 19970425**

Priority  
DE 19620361 A 19960510

Abstract (en)  
A load-bearing interlayer (I), containing (A) a textile sheet and (B) a reinforcement containing monofilaments with a diameter of at least 0.1 (preferably 0.1-1) mm. Also claimed is: (i) a process for the production of (I); (ii) composites containing (I); and (iii) roofing and sealing strips containing (I). Preferably monofilaments (B) have a diameter of 0.1-0.5 (preferably 0.1-0.3) mm, a Young's modulus of at least 5 GPa and an elongation at break of 0.5-100%. Preferred (B) consist of high-modulus aramid, high-strength polyester monofilaments, or monofilament wire made of metals or metal alloys. The monofilaments absorb energy so that the standard load (SL) in the stress-strain curve (at 20 degrees C) for the combination (A/B) differs from that of the interlayer without (B) by at least 10 (preferably 20, more preferably 30) %, and the ratio of SL at 20 degrees C divided by SL at 180 degrees C is not more than 3, in each case at at least one point in the range between 0 and 1% elongation. Textile (A) consists of spun-bonded fabric, especially polyester containing at least 85 mole% polyethylene terephthalate (PET), which may also be mechanically, thermally and/or chemically bonded and possibly provided with an embossed pattern.

Abstract (de)  
Die vorliegende Erfindung beschreibt eine Trägereinlage enthaltend ein textiles Flächengebilde und eine Verstärkung, dadurch gekennzeichnet, daß die Verstärkung Monofilamente enthält, deren Durchmesser mindestens 0,1 mm, vorzugsweise zwischen 0,1 und 1 mm beträgt. Weiterer Gegenstand der Erfindung ist die Verwendung der Trägereinlage zu Herstellung von gegebenenfalls bituminierten Dach- und Dichtungsbahnen, sowie die entsprechenden Endprodukte.

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IPC 8 full level  
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CPC (source: EP US)  
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