

OIL BARRIER WATERPROOFING MEMBRANE LAMINATE

This invention relates to waterproofing materials which are in the form of pre-formed, sheet-like laminates of (a) a waterproof and waterproofing bituminous membrane adhered to (b) a support sheet material covering at least one major surface of the bituminous membrane.

It is known that building surfaces, such as foundations, concrete decks, roofs, and the like, can be sealed in a waterproof manner by formation thereon of a continuous membrane of a bituminous composition that is substantially impermeable to moisture. The term "bituminous composition" as used in the present disclosure refers to compositions based on tar, asphalt or pitch with or without added components. Historically, such waterproofing membranes were formed by "in situ" application of a bituminous composition, along with one or more "plys" of bitumen-saturated felts. One disadvantage of this procedure is that the formation of a layer of waterproofing sealant at the job site was dependent upon uniform application. Such application caused additional expenses of labor at the job site. Moreover, vertical substructural membranes were often unmanageable.

In more recent times, waterproofing of structural surfaces was done by using preformed, flexible membranes of bituminous compositions that were pressure-sensitive. These waterproofing materials had a laminate structure comprising a support sheet, such as a polymer film, adhered to a membrane of a flexible self-adhesive bituminous composition superimposed on the support sheet. As taught in Canadian Pat. No. 1,008,738 of Davis, it was known to employ in the support sheet a cross-laminated or biaxially-oriented synthetic polymeric film to avoid wrinkling after exposure to outdoor sunlight.