

Title (en)  
IMITATION STONES FOR DECORATING BUILDING STRUCTURES AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)  
NATURSTEIN-IMITATION FÜR VERZIERUNGSBAUTEN UND VERFAHREN ZU IHRERHERSTELLUNG

Title (fr)  
IMITATION PIERRE POUR CONSTRUCTIONS ORNEMENTALES ET SON PROCEDE DE FABRICATION

Publication  
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Application  
**EP 98904454 A 19980225**

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Abstract (en)  
[origin: WO9922947A1] The invention relates to an imitation stone for decorating building structures which is comprised of three layers. One layer is discontinuous of the surface having different colorings and a thickness of 0-5 mm. A second layer is a continuous intermediate layer having only one color and a thickness of 2-5 mm. A third layer is a base and resistance inner layer having a thickness of 3-10 mm. The shape and coloring of the stone imitates those of natural stone. The first two layers have 28-48 wt. % polyester resin with reinforcers, or polyvinyl chloride or polystyrene optionally with the addition of cross-linking agents, 50-70 wt. % quartz powder and 2-10 wt. % pigments. The inner layer has 100 wt. % polyurethane foam with reinforcers or 20-35 wt. % fiber glass and 65-80 wt. % polyester resin with reinforcers. The imitation stone is produced in a rigid or flexible structure in which the mixture for the surface layer, the intermediate layer, and the base layer is successively applied by spraying or with a brush. The layers cure and combine with one another. The product is manually pulled out of the interior of the structure and the entire external surface is sandblasted. An additional method is comprised of applying a continuous layer of the curing base mixture on the inner surface of the structure. The mixture is manually pulled out and a continuous layer of the mixture having only one color is applied on the entire external surface of the layer. The mixture hardens and discontinuous mixtures for the surface layer having different colorings are applied over said continuous layer. The mixture hardens and the entire external surface is sandblasted.

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