

Product Data Sheet

Strippable Varnish Liquid Foil

- Developed by Professor Dr. Mang, FH Aachen

A Liquid-application removable plastic film designed to protect sensitive surfaces.

Product Description

Wherever surfaces need to be temporarily protected from soiling, fouling, staining or other contamination or must be protected from the damaging effects of substances or materials, the environmentally safe, water-based liquid plastic film is the method of choice. Although developed mainly for building construction and carpentry (e.g. to protect windows during plastering of walls or varnishing or painting window frames), it can also be used in the automobile and aircraft industry during painting or varnishing.



Range of Application/Appropriate Surfaces

Rather than dealing with the inconvenience of masking tape during renovations, the liquid foil is applied with a brush to the surface area and, within approximately 5 minutes, a protecting/masking foil forms. The surfaces are not impaired by the liquid foil. For untreated wood a specially developed product is available, which ensures that no change to the surface of the wood occurs.

Application

There are no problems concerning operational health and safety: A firm foil forms (after approximately 5 minutes) only through the evaporation of water, which protects the surface from weathering and aggressive chemicals such as acids, caustic solutions or organic substances. The film can be removed from the surface in one piece and disposed of at any time. A distinctive characteristic of the product in comparison to similar products is the relatively long durability of the foil even after strong sun exposure: it can still be removed from the surface in one piece for up to 8 weeks. Furthermore, the liquid foil can be used to impregnate permeable materials such as fabric materials, cloths or leathers. The product is used by leading manufacturers of automobiles in automobile interiors as a coating on the backing of leathers.

Example of Applied Coating of Liquid Foil:



Coating over a glass roof in the city center of Frankfurt am Main.

Durability/Shelf Life

The product offers long lasting durability and easy removal in a single piece, even after exposure to intense sunlight, for up to 8 weeks. The shelf life of the liquid foil is approximately 6 months.

Removal/Disposal

The environmentally safe foil can be easily removed from the surface in a single piece at any time and disposed of in the waste.

Special refuse disposal is not necessary.

Technical Data

- Water based plastic dispersion
- Quick film formation, within in about 5 minutes, through the evaporation of water
- Can be applied with a brush (in criss-cross motion), spraying device or roller
- Transportation: The liquid foil is not classified as a hazardous material

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