



Product Information

Description - Protectapeel Photomask Clear is a temporary peelable coating used in the engineering sector as a maskant for the chemical treatment of metals. Photomask Clear has excellent resistance to abrasion and acid during treatments such as chemical etching, milling and pickling.

Material Type: Acrylate.

Colour - Clear.

Health & Safety - The compound is non-toxic and non-flammable in the wet state. The dry film waste may be disposed of as low hazard. Please see separate Safety Data Sheet (SDS)

Storage - Extended storage should not exceed 30°C. To facilitate handling, the material can be heated to 45°C, do not use band heaters to heat the material, blanket the headspace with air.

Surfaces - Most metal surfaces.

Application Information

Application - For detailed instructions please contact Spraylat International Limited. The contents of the container should be mixed thoroughly before use. Always conduct a test area and a test peel on each substrate before use. Photomask Clear may be applied by spray, dip, roller or brush. The wet film thickness (WFT) will vary depending upon the type and strength of the acid, and the length of time the material remains in the acid. The overall coat weight can be built up by applying a number of coats.

Tack Free Drying Time - Photomask Clear will cure instantly when exposed to mercury vapour lamps. Use mercury vapour lamps, approximately 250 Watt/Inch² (80 Watt/cm²). Optimum output 200 to 400 nm. Product will dry in approximately 1 second under the UV lamps.

Coverage - The theoretical coverage rate is approximately 10m² per kg at a WFT of 100 Microns.

Removal - The dry film can be easily removed by hand peeling.

Clean Down - Clean equipment with organic solvents, DO NOT USE WATER.

Technical Information

Tensile Strength: >5 MPa

Viscosity: N/A

Solids Content: 100 %

Elongation: >200 %

Flash Point: N/A

pH: 7-8

Adhesion: < 1.0 MPa

Density: 1.05 kg l⁻¹

Maximum VOC: 40 gl⁻¹