



Product Information

Description - Protectapeel Hydromask N is a water-based, one-pack, temporary peelable coating used in the engineering sector as a maskant for the chemical treatment of metals. Hydromask N has excellent resistance to acid and alkali during treatments such as chemical etching, milling and pickling.

Material Type: Water based.

Colour - Yellow.

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 - Store at temperatures between 5°C - 25°C. DO NOT ALLOW LIQUID TO FREEZE.

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.

Hydromask N may be applied by spray, dip, roller or brush. The wet film thickness (WFT) will vary depending upon the type and strength of the etchant, and the length of time the material remains in submersion. The overall coat weight can be built up by applying a number of thin coats allowing the coatings to tack off or cure between applications.

A dry film thickness (DFT) of 300 Microns, is resistant to a 5.0 moldm⁻³ equimolar solution of hydrofluoric and hydrochloric acid @ 50°C for at least 2-3 hours submersion in acid and 15% sodium hydroxide solution at 85°C for up to 6 hours.

Tack Free Drying Time - A WFT of 600 Microns (300 Microns DFT) will be tack free in approximately 120 minutes at room temperature. Force drying may be used by using moving air and increasing the surface temperature to a maximum of 50°C.

Coverage - The theoretical coverage rate is approximately 1.7m² per kg at a WFT of 600 Microns.

Removal - The dry film can be easily removed either by hand peeling or by pressure hose. Do not remove in freezing conditions as the coating may be brittle.

External Weather Resistance - Protectapeel Hydromask N is suitable for INTERNAL USE ONLY.

Clean Down - Clean equipment with water immediately after use.

Technical Information

Tensile Strength: >6 MPa

Elongation: >150 %

Adhesion: < 2.5 MPa

Viscosity: 6500 ± 250 cP @ 20°C

Flash Point: N/A

Density: 1.09 kg l⁻¹

Solids Content: 45 ± 2 %

pH: 7-9

Maximum VOC: 0 gl⁻¹