



## Product Information

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

**Material Type:** Water based.

**Colour** - Red.

**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 S 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 thin coats allowing the coatings to tack off or cure between applications.

Greater resistance to acid can be achieved by heating the coating to 95°C for up to 2 hours. A dry film thickness (DFT) of 200 Microns, cured at 95°C for 2 hours, is resistant to a 5.0 moldm<sup>-3</sup> equimolar solution of hydrofluoric and hydrochloric acid @ 50°C for at least 2-3 hours submersion in acid.

**Tack Free Drying Time** - A WFT of 500 Microns (200 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 2m<sup>2</sup> per kg at a WFT of 500 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 S is suitable for INTERNAL USE ONLY.

**Clean Down** - Clean equipment with water immediately after use.

## Technical Information

**Tensile Strength:** >15 MPa

**Viscosity:** 2250 ± 250 cP @ 20°C

**Solids Content:** 34 ± 2 %

**Elongation:** >1000 %

**Flash Point:** N/A

**pH:** 8-9

**Adhesion:** < 2.5 MPa

**Density:** 1.09 kg l<sup>-1</sup>

**Maximum VOC:** 0 gl<sup>-1</sup>