AL-STRIP W

Issue 2

TECHNICAL DATA SHEET

Description

A hot multipart stripping system designed to remove paint and powder coatings from a variety of substrates while minimising attack on difficult base materials, such as aluminium and magnesium alloys.
The AL-STRIP W SYSTEM does not contain Methylene Chloride.

AL-STRIP W
AL-W REPLENISHER
AL-STRIP W SPECIAL ADDITIVE

The Control of Substances Hazardous to Health Regulations 2002 (COSHH)

For a Safety Data Sheet on this product please contact Cambrian Solvents by telephone, or by e-mail at lab@cambriansolvents.co.uk

Instructions for use

The product described in this data sheet will remove, in various degrees, organic coatings from a variety of substrates. We are always pleased to conduct laboratory scale tests of customer's work and to demonstrate product samples at the customer's premises in order to assist in determining the most suitable product for his stripping requirements. Nevertheless, because the exact nature of the coating is not always known and because coatings, pretreatments and operating conditions change, the final suitability for a particular purpose must always be determined by the customer.

Concentration:	Initial Fill:	AL-STRIP W used as received.
	Top up:	Generally AL-W REPLENISHER, but see solution maintenance overleaf.
Temperature:	50 - 70°C as required.	
Time:	As required. Varies depending upon the temperature and the nature of the work to be stripped.	
Agitation:	The use of circulation will generally improve stripping times.	
Sludge removal:	Regular removal of stripped residues is essential to maintain the solution in optimum condition and heaters at their most efficient by means continuous filtration. This also minimises solution loss and waste generated for disposal.	
Rinsing:	An overflowing cold water rinse is suitable. Air agitation is beneficial. Pressure washing is normally required. It is essential that water is not introduced into the stripping tank by any means, including partially stripped work being put back into it without being totally drained first. Ensure there is no splashback from pressure washing into the stripping solution.	
Water tolerance:	Water contamination can cause attack on the base material and must be avoided. In case of contamination, please contact Cambrian Solvents.	

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Solution maintenance:

Accelerator Control – Filter a sample of the bath using a 541 filter paper or take a sample from the outlet of the filter press.

Titrate a 2ml sample against 0.1N Hydrochloric Acid to the Bromocresol Purple end point (purple to yellow). Each ml is considered 1 point.

Normally you simply top up to normal operating level with AL-W REPLENISHER.

It may occasionally be necessary to make a separate addition of AL-STRIP W SPECIAL ADDITIVE. This will be only on the advice of your Cambrian Solvents representative. The addition of 10 litres/1000 litres will raise the pointage by 1.0.

Equipment

Mild steel is suitable for tanks and pipework. Keep the surface area of the stripping tank to a minimum to avoid solvent losses. Where appropriate, use a close fitting lid to minimise evaporation, risk of contamination and as a safety precaution. Incorporate a frame to the base to keep the work out of removed residues. Ensure pipe work has threaded unions and joints incorporated to allow easy dismantling for cleaning if required.

Heating capable of maintaining the tank at the operating temperature is required. Ideally this could be an oil jacket. **Low density** electric heaters may be used but care must be taken to ensure they are of the correct specification and that stripped residues are not allowed to build up on the elements. Electric immersion heaters should have a cold "leg" at the surface otherwise fumes will evolve. Electric heaters should ideally be mounted on a removable frame to allow regular inspection and cleaning. Standard immersion elements and naked flame heaters are unsuitable.

PTFE is suitable for gasket materials. Copper, brass, aluminium and zinc die-casting should not be used for taps, pipes, valves etc. Galvanised materials are undesirable.

For more detailed information about Cambrian Solvents paint stripping systems, please visit our website at www.paintstrip.com.