RIBBLE TECHNOLOGY LTD & RS PRO FINISHES

V1.1 February 2024	**RSP01 TECHNICAL DATA SHEET**	

Note: We have worked closely with RS Pro Finishes to produce this technical data sheet, and the information enclosed is based on information from their machine manual.

Description

RSP01 is a water-based stripping solution, specifically designed for use in the RS Pro Finishes **Pro Strip** machine. It is an environmentally friendly product, free from Dichloromethane and Hydrofluoric acid. The product is easily maintained and does not generate toxic waste.

- 40% of the wheels will be stripped within two hours.
- 50% of the wheels will be stripped in 4 hours.
- 10% of the wheels will need to be accounted for the stubborn wheels.

Method of Use

RSP01 is used as supplied and does not require any further additive prior to use. The stripping solution must be maintained between $65^{o} – 75^{0}$. The Pro Strip self regulates the temperature automatically throughout the stripping cycles with no user input required.

RSP01 is designed to de-bond coating from the alloy surface in flakes or “sheets”, the wheels can then be rinsed with water or a jet wash to remove any paint residue.

Rinse water should be caught and stored for controlled disposal preferably in an IBC, then tested to make sure it is safe before it is disposed. Local control disposal laws must be followed at all times.

Method of Control

During normal stripping operations the activity of the solution will decrease. Water loss will also occur due the operating temperature. It will be necessary to make additions of fresh product and water to maintain stripping efficiency.

Top Ups

Top ups should be a mixture of chemical and water.

- 25L RSP01
- 10-12.5L Water (we can expand on this once we have received your first couple of samples for testing*).

Wheels should be washed and be free of brake dust and dirt before loading into the machine.

Maintenance

After Every Cycle

PRIMARY FILTER

The RS Pro Strip is designed in a way to remove the paint solids before they have chance to mix with the chemical. This is done by the specially designed sieve and wear system.

The chemical is allowed to flow through the mesh floor while pushing the paint solids to the removal area where they can be easily removed. They should be removed after every cycle.

Process:

Follow the instructions in the Pro Strip user manual.

Maintenance cont…

Every Morning:
SECONDARY FILTER
Part of the Pro Strips filter system is a secondary filter.
This consists of a filter housing and includes two reusable 300-micron stainless steel filter baskets.
The dirty filter is replaced with the clean filter and the dirty filter is washed in your rinse bay ready to be reused. This should be done every morning.
Process:
Follow the step-by-step guide on page 36 and 37 of the user manual.

Every Week:
Operate the swill cycle. This isolates the booms and forces the chemical back through the filter and directly into the sump of the Pro Strip.
This swilling motion agitates the chemical in the sump to dislodge any paint solid build up and filters them out.
The Swill cycle firstly uses the supplied 500-micron filter to catch the large paint particles.
This process is repeated until no more paint solids are caught. Then the 300-micron filter is used to remove the smaller particles. Again, this is repeated until no more paint particles are caught.
This needs to be done at least once a week.
Process:
Follow the Pro Strip user manual.

Health and Safety

As with all chemical solutions the relevant PPE must be worn, following a thorough risk assessment from the end user to determine their individual requirements. PPE is the responsibility of the end user. No specific environmental hazards are presented with the product. Ribble Technology Ltd can provide a full range of PPE for use with this product. Our datasheet is available upon request: admin@ribbletechnology.co.uk

Limitations

Steel wheels and components are not recommended to be put in the Pro Strip. If they are they should be checked regularly and not left in for prolonged periods or overnight as the chemicals will react and crystalise on the surface.

Magnesium wheels SHOULD NOT be stripped in RSP01 due to the possible reactivity which can cause excessive heat as well as decomposition of the parts. Magnesium is highly reactive and should be stripped with caution whatever the chosen method.

Tank life depends on workload and maintenance schedule.

Please note if there is a build-up of residual sludge from brake dust etc this can be removed by operating the Swill cycle multiple times in one day, going from the 500-micron filter and the 300-micron filter until no more solids are caught.

Sludge build up will be a result of not cleaning the wheels prior to putting them in the Pro Strip.
The chemical turning to a thick sticky soup appearance could be an early sign of chemical dehydration. A sample must be sent asap for analysis.

Testing

Chemical samples allow us to test to ensure your tank is running efficiently.
We ask for a sample every 4 weeks for the first 3 months.

Samples required:

- 500ml sample of chemical from the chamber of the machine
- Sample of the sludge if there is significant build up in the machine (a cup full is more than enough).

*Your samples every 4 weeks over a period of 3 months will provide us with data to further advise on your top-up regime to ensure you are keeping your tank ratios balanced.

Please forward your samples to in secure bottles and packaging to:
RIBBLE TECHNOLOGY LTD
UNITS 13-14 RIPON HALL FARM
CATTERALL LANE
CATTERALL
PR3 0PA
F.A.O: John Sutton

We aim to test and provide results and feedback within 2-3 working days following receiving your sample.