



Specialist Technical Products Ltd

Unit 9, Smoke Hall Lane, Winsford, Cheshire, CW7 3BE
Telephone: 01606 590909 Facsimile: 01606 596797
e-mail: enquiries@stptapes.co.uk Website : www.stptapes.co.uk

VAT No: 783 6758 72

Company Reg. No: 4305162

Specialist Technical products has been producing Sealant and Adhesive tapes for over twenty years. The industry, customers and their requirements have changed considerably during this period.

The basic process for making mastic and tape has remained fundamentally the same, however our working practices have changed significantly.

Whilst the basic structure of the formulations is similar, environmental pressures and modern technology have driven innovative formulation development, producing one of the most environmentally sustainable, safe and effective sealant systems in the industry.

The requirement to be environmentally conscious throughout all aspects of production and manufacturing has helped us modify the processing structure of our business. Various steps have been taken over the past 7 years to better understand our position and responsibility within the supply chain and the environment as a whole.

We select all our raw materials from reputable sources. The ingredients within our tapes are mostly naturally occurring minerals, those that aren't, are selected using careful criteria based around performance, safety and environmental impact. Our primary polymer supplier has invested significantly in Biomass monomer production; where possible Monomers are selected that have 85% less CO₂ generation than oil-based systems. Our polymer supplier has been able to post figures in excess of 3 million tonnes of CO₂ offset. Systems produced entirely from Biomass feeds are potentially available in certain applications. Should you require systems solely derived from biomass monomer, please speak with our sales/technical department.

Investment in new ancillary equipment, careful formulating and cooling water control have seen a reduction in mixing times and improvement in efficiency. Since 2017 we have seen a 40% increase in output volume. During this period our electricity consumption per kilo during the initial mixing process, has dropped by 54.9%. This gives a carbon offset of around 10 tonnes per Annum. We have invested in two new extruders that utilise efficient closed loop water heating and produce 20% more tape per day than the existing equipment.

We have initiated a project to install a solar panel farm on our roof space. After completion in mid-2023, we would expect an annual carbon offset in excess of 30 tonnes.

We have reduced our overall production of waste in the form of unusable product by over 15% . This means a reduction of 12 tonnes of paper and over 20 tonnes of product saved from landfill.

Our closed loop cooling system, heat recovery in the factory and outside cooling tanks have reduced our water consumption by over 30% and in 2022 we were able to run for 12 months without utilising our automated chilling plant at all.

STP has also been responsible for planting over 800 saplings in North Wales. We will continue to invest in tree planting in the future.

In conclusion not only do we produce one of the most effective and sustainable non-setting sealants in the world, but we have also gone to great lengths to improve our position as a manufacturer in the changing landscape of socially conscious business. We take all our responsibilities as a manufacturer seriously. Our processes are efficient and well considered, our product sourcing is both ethical and technically proficient and our products are hazard free, 100% recyclable, chemically inert and cost effective.

Anthony Lowe
Business Manager