



**AT APEX POLYMER SOLUTIONS,  
we are paving the way  
to a more sustainable,  
eco-friendly future!**

## OUR VISION

To bring our customers the most **pioneering, sustainable & unexpected** polymer solutions through partnerships that result in **enduring mutual success.**

**Apex**<sup>®</sup>  
Quality Polymer Solutions





# Our Values

## **Respectful**

Upholding fair treatment, appreciation and dignity for each other, our customers and suppliers as cornerstones of our culture.

## **Resourceful**

An embedded culture of getting things done through creative and unexpected ways.

## **Resilient**

Uncompromising service delivery, no matter the constraints.

## **Right thing**

An ethos of sustainability and trustworthiness in everything we do.

## Our Brand Essence

**Make  
Quality  
Everything**



# Production

## A Zero Production Waste Facility

At Apex Polymer Solutions we pride ourselves on dealing only with reputable suppliers and leaders in their respective fields. All raw materials are subjected to a strict quality control (QC) process before onboarding new suppliers. With our ABS & HIPS product offering, we partner with Snetor for the import and supply of raw materials.

Snetor's European plastics division, Ozyance, was awarded the Gold Top 5% Ecovadis® Sustainability rating in May 2025, making Apex proud to be affiliated with global market leaders in the distribution of polymer products/materials that embed sustainable development at the core of its operations. Ecovadis sets the standard for resilient, sustainable supply chains worldwide.

Our main additives consist predominantly of Virgin material combined with the Masterbatch colour additives. More specific additives as per customer/application requirements would be specific, such as UV additives, ensuring stable performance under ultra-violet exposure. We do not accept or make use of PFAS (perfluoroalkyl/polyfluoroalkyl - Forever Chemicals) substances. Mixed / contaminated plastics are not accepted. We do not make use of any mineral/natural fillers in our production process.



When we don't have waste in the facility we purchase 'regrind' from recyclers who we have long-term trusted relationships with.

# Production Waste

What's the difference?



## Post-consumer (PCR)

Reclaimed material from homes and businesses.

Recycling at its best! Making the old new again helps the planet and creates jobs.



## Post-industrial (PIR)

(A.k.a pre-consumer) Imperfect products, scraps and leftovers recovered from a factory.

A great way to make sure the extra bits don't go to waste!



## Virgin (new) plastic

No recycled content.

Making new plastic uses the most energy and extracts resources from the earth.

# Reducing our Carbon Footprint

- ✔ Installation of LED lighting in the facility
- ✔ All material that can possibly be used again is granulated and re-used in manufacturing new sheets
- ✔ Insulation of pipes on all production lines for decreased heat loss
- ✔ Installation of power factor correction units
- ✔ Installation of motion detection lights in low-level traffic areas
- ✔ Timers that switch off the airconditioning after hours
- ✔ All our imported substrates & raw materials are only shipped in full container loads to avoid multiple-part shipments, ensuring we do our part in limiting carbon emissions
- ✔ At startups, we stagger the production and ramp up when possible
- ✔ Vehicles and moving machinery are serviced and maintained to ensure optimal efficiency
- ✔ Logistics is planned to ensure trucks are loaded to capacity

## Certifications

We practice what we preach when we say **Make Quality Everything**. All our sites are **ISO 9001 certified** and our **ISO 14001** certification is in process.

**ISO 9001** is a globally recognised standard for quality management. It helps us improve our performance, meet customer expectations and demonstrate our **commitment to quality**.

We have started the journey toward our **ISO 14001** accreditation. This certification centres on environmental management and sustainability practices. This certification speaks to our passion for minimising our environmental impact and promoting eco-friendly practices.

# Proudly Produced in

South Africa

- ✓ ABS
- ✓ HIPS
- ✓ HDPE
- ✓ POLYAL
- ✓ LINASHIELD® TPU
- ✓ POLYPROPYLENE
- ✓ X-CORE TWINWALL/CORRUGATED PP BOARD

## Understanding International Polymer Identification Codes:



# Innovation

## A True Cradle-to-Cradle Solution

We take immense pride in our innovative approach at Apex Polymer Solutions, where we've successfully extruded PolyAl sheets from recycled aluminium found in Tetra Pak packaging.

**This material would have otherwise ended up in landfills.** Our cradle-to-cradle solution represents a monumental step towards sustainable manufacturing. These sheets can be recycled and remade repeatedly, underscoring our ongoing commitment to transforming waste into valuable resources.

This project is just one of the many ways Apex continues to push the boundaries of sustainable innovation, creating materials that can be used in everyday applications, while making a lasting positive impact on the environment.

We believe that every brand deserves sustainable, high-quality solutions designed to last.



# Innovation

## A True Cradle-to-Cradle Solution

Another example is our polyurethane lining where we are only 1 of 3 in the world to have successfully extruded polyurethane, the product being called Linashield®. Our Linashield® offers 20 times more strength than its counterparts, limiting maintenance downtime & improving efficiencies.

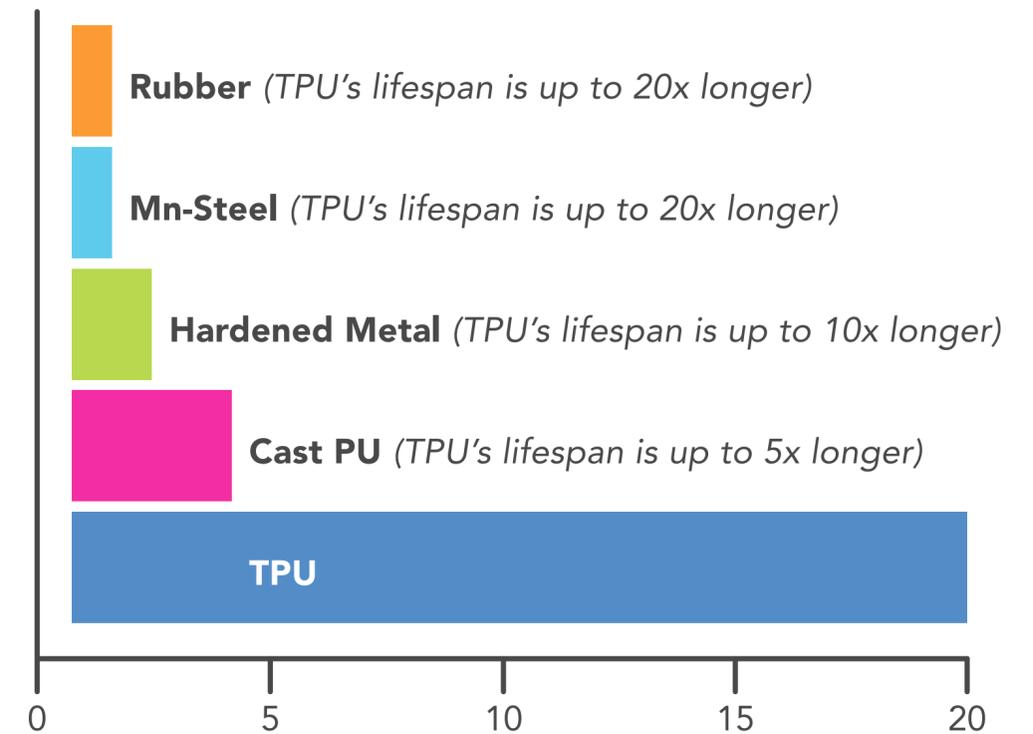
## Explore the future of sustainability

With Apex Polymer Solutions - where every solution is tailored to not only meet your needs but also contribute to a sustainable planet. Partner with us today and be part of the change.

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# Performance

The performance of Apex Polymer Solutions Linashield® in most cases\*\* has demonstrated that TPU offers a significantly longer lifespan compared to conventional options.



\*\*We cannot guarantee the exact longevity of TPU linings in different applications. Consult us for specific performance in various applications.



## Ensuring Business Continuity

On our production lines, we re-circulate our water and top up when required.

We have two water storage tanks – 45000 litres & a smaller 5000 litre tank. We can run the entire facility on this for a couple of days.

During load-shedding or unexpected power cuts, we can run the facility on our two 650KVA diesel generators

We have one annual shutdown for maintenance which helps limit potential breakdowns and risks in supply.



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# Processes

Supported by our ISO accreditation



# Our People

Our people are at the core of our success, driving innovation, efficiencies, and customer engagements. Their skills, dedication, and well-being significantly impact Apex Polymer Solutions' performance and growth. Understanding and embracing sustainability is crucial for future success because it aligns with growing consumer and investor expectations, helps mitigate risks, and ensures long-term viability.

By fostering a culture that prioritises people and sustainability, we enhance our reputation, attract top talent, and secure a competitive edge in an increasingly eco-conscious market.



# Imported Solutions

## LED Lighting

In the vibrant and diverse landscape of LED lighting in South Africa, a new era of sustainability is taking shape. This transformation is driven by the collaborative partnership between SloanLED and Apex Polymer Solutions. Our combined efforts in the local market set a new standard for energy efficiency, environmental responsibility, and community engagement. Together, we are tackling South Africa's unique lighting challenges with a focus on sustainability.

## Addressing Local Needs

South Africa's lighting infrastructure faces significant challenges due to high energy costs, frequent power outages, and diverse environmental conditions. The local market demands solutions that are not only effective but also resilient and cost efficient.

SloanLED offers a range of high-performance LED products that provide exceptional energy savings, longer lifespans, and superior light quality.

**Their LEDs are designed to reduce energy consumption by up to 90%** compared to traditional lighting, making them ideal for both commercial and residential applications in South Africa. This is accompanied by an **Apex Nova** range of signage modules and LED strip lights, sporting exceptional efficiencies and value.

**Apex Polymer Solutions enhances the reach and impact of SloanLED products** through our advanced distribution network and expertise in polymers and substrates. Our LED fixtures are engineered for durability and adaptability, addressing the harsh weather conditions prevalent in South Africa - from intense heat and UV radiation to heavy rains and humidity.

As SloanLED and Apex Polymer Solutions continue to illuminate South Africa's path toward sustainability, our story is a testament to the power of innovation and collaboration.



# Imported Solutions

## Rigid Substrates

### PERSPEX® Cast Acrylic

The current production of the PERSPEX® cast acrylic sheets already contains a proportion of recycled MMA material.

The majority of this material is waste from the manufacturing process.

Furthermore, all raw materials used in making PERSPEX® sheets comply with the requirements of the most recent version of the European Union Chemicals Regulation (REACH). PERSPEX® Cast Acrylic sheets are covered by a 30-year warranty on clears & 10 years on colours.



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PERSPEX®  
Cast Acrylic

APEX™ Cast  
Acrylic

Extruded  
Acrylic

Multiwall

PETG

Polycarbonate



# Imported Solutions

## Rigid Substrates

### APEX™ Cast Acrylic

Offering an unsurpassed 30-year UV warranty on clears & 10 years on colours (against yellowing & UV degradation), our APEX™ Cast Acrylic & APEX™ Sanware grade materials are made to last, offering a sustainable solution in terms of product lifespan and saving resources.

Our international supplier is saving on resources, is ISO14001 accredited, has an FDA food contact level certification, SGS system certification, Sony GP system certification, and their products and materials comply with the EU RoHS Directive and REACH Act.

### Coming Soon:

GreenTick™ Acrylic is enabling the new generation of sustainable acrylic production, creating an environmental choice with the goal of assisting in the protection of our planet.



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# Imported Solutions

## Rigid Substrates

### Extruded Acrylic

Extruded acrylic offers high transparency, inherent UV resistance, weathering and ageing resistance and can be easily machined or thermoformed by standard techniques.

Extruded acrylic sheets are environmentally friendly. LCA (Life Cycle Assessment) and Eco profiles of PMMA sheet production show a low impact on the environment. The outstanding chemical stability and long-time resistance to ageing and weathering ensure a long service time.

The sheets and their polyethylene protective layers are fully recyclable. They do not produce toxic or corrosive gases when burning, fires can be extinguished with water. Extruded acrylic scrap is not classified as hazardous waste and small amounts can be disposed of as household refuse. Large quantities should be disposed of by recycling.

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# Imported Solutions

## Rigid Substrates

### Multiwall Fluted Polycarbonate Sheets

Multiwall sheets are environmentally friendly. The sheets are fully recyclable. They do not contain any toxic materials or heavy metals which may cause environmental damage or health risks.

They do not produce toxic or corrosive gases upon burning, fires can be extinguished with water. Multiwall sheets can be used for energy recovery and chemical or mechanical recycling.

Polycarb scrap is not classified as hazardous waste, small amounts can be disposed of as household refuse. Large quantities should be disposed by recycling.

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Cast Acrylic

APEX<sup>™</sup> Cast  
Acrylic

Extruded  
Acrylic

Multiwall

PETG

Polycarbonate



# Imported Solutions

## Rigid Substrates

### PETG

#### Greater freedom for designs!

PETG's low-temperature thermoforming without pre-drying allows for easy and cost-effective thermoforming, whilst also saving on time & energy.

These sheets are known for their ease of handling, and capability to produce complex shapes with precise detailing. The sheets and their polyethylene protective layers are fully recyclable.

PETG does not contain any toxic materials, which may cause environmental damage or health risks, and they do not release pollutant substances into the environment during manufacture.

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Polycarbonate



# Imported Solutions

## Rigid Substrates

### Polycarbonate 200 x Stronger than Glass

Polycarbonate is the technical choice for architects, specifiers, engineers and product designers. It offers exceptional design flexibility due to its incredible strength-to-weight ratio, outstanding technical performance and excellent light transmission. 200x Stronger than glass, Polycarb offers double-sided UV2 protection, ensuring a long lifespan.

#### Our supplier practices responsible manufacturing by:

- » Maintaining full compliance of all environmental regulations
- » Overall recycling rates for their sites range from 50% - 80%
- » Reduce/Reuse/Recycle efforts have seen reductions in waste disposal of over 70% at some sites
- » Over the past 20 years, water savings and clean air emission programs have reduced water consumption and air emissions company-wide, with some sites achieving reductions over 75%
- » Continue to lower the energy intensity of their manufacturing operations through energy efficient lighting, motors, and innovative, optimized manufacturing processes
- » Renewable energy is part of the energy consumed at some of their sites—they continue to explore greater energy diversity
- » Pro-active outreach with their neighbours around their manufacturing sites, including regular engagements with all community stakeholders

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# Our Value-Add Services

We live by our mantra -  
Make  
Quality  
Everything

We partner with  
customers who  
value their brand &  
reputation.

We police specifications,  
giving you peace of  
mind.

We offer solutions, not  
products. We collaborate  
with customers to offer  
sustainable solutions  
which help create business  
opportunities and improve  
profits.

We work towards long-  
lasting partnerships,  
with full transparency  
where both Apex  
Polymer Solutions and  
our customers benefit.

We always put our  
customer's best interests  
first and work around  
finding a collaborative  
solution.

# Empowering Communities Through Partnership

## Bulungula Incubator

At Apex Polymer Solutions, sustainability extends beyond our products, it lives in the partnerships we support. We are proud to champion the Bulungula Incubator, an inspiring organisation dedicated to sustainably ending poverty within a generation.

Working hand-in-hand with local communities, government, NGOs, and bold innovators, the Bulungula Incubator is redefining what's possible. By blending traditional rural-African culture with transformative ideas, they build thriving, cohesive communities rooted in dignity and resilience.

This partnership reflects our shared vision: a future where innovation uplifts people, protects the planet, and leaves no one behind.

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# Contact Us

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## **Join us on our mission**

to revolutionise the polymer industry with advancements that make a meaningful impact. Discover how Apex Polymer Solutions is leading the way toward a brighter, more sustainable tomorrow.

We believe that every brand deserves sustainable, high-quality solutions designed to last.

