



SWAZI PLASTIC INDUSTRIES

MANUFACTURES AND SUPPLIERS OF: Printed polyethylene bags, shrink film, sheeting, construction sheeting, polypropylene strapping /twine and all other packaging requirements.

1st Avenue, Stand 138 Industrial Site
Matsapha, Swaziland
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Company profile

Swazi Plastic Industries



ABOUT US

Established in 1986, this factory extrudes a wide range of mono and co-extruded low and linear low density polyethylene films and polypropylene strapping and twine. They provide up to eight colours of quality flexographic printing on a diverse range of packaging, including side, bottom and spine seal bags punched or micro-perforated with side and bottom gussets, sheeting for automatic packaging and shrink wrap materials in sleeves, sheeting and shrouds.

Swaziplastic has access to the experienced Germiston team with technical know-how who are able to design and advise on all packaging requirements. Products are manufactured to international standards and distributed in Swaziland, South Africa and Mozambique, and include mono and multi-layer co-extruded films, shrink films, release shrink film, specialised films, printed polyethylene bags, form fill and seal sheeting, liquid packaging, construction sheeting and agricultural sheeting, polypropylene strapping and twine, packaging tapes, strapping tools and sealing equipment.

OUR SERVICES

● Packaging ● Agriculture ● Construction ● Geo-synthetics



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Packaging



Swazi Plastic Industries

PACKAGING

Our Client enjoy products that are manufactured to international standards and distributed in Swaziland, South Africa and Mozambique. The packaging comes in a wide range as follows:

- **Shrink Film/Wrap** - Utilizing Co-Extrusion technology, Swazi Plastic is able to supply a superior quality printed & plain shrink film/wrap.

Benefits for Shrink Film include:

- Excellent shrink characteristics resulting in a tight pack which ensures stability during transportation.
- Rolls are geometrically uniform, resulting in Our shrink wrap which can be printed up to 8 colours, tinted or coloured in any colour, is fully recyclable and is manufactured to customer@s specification.

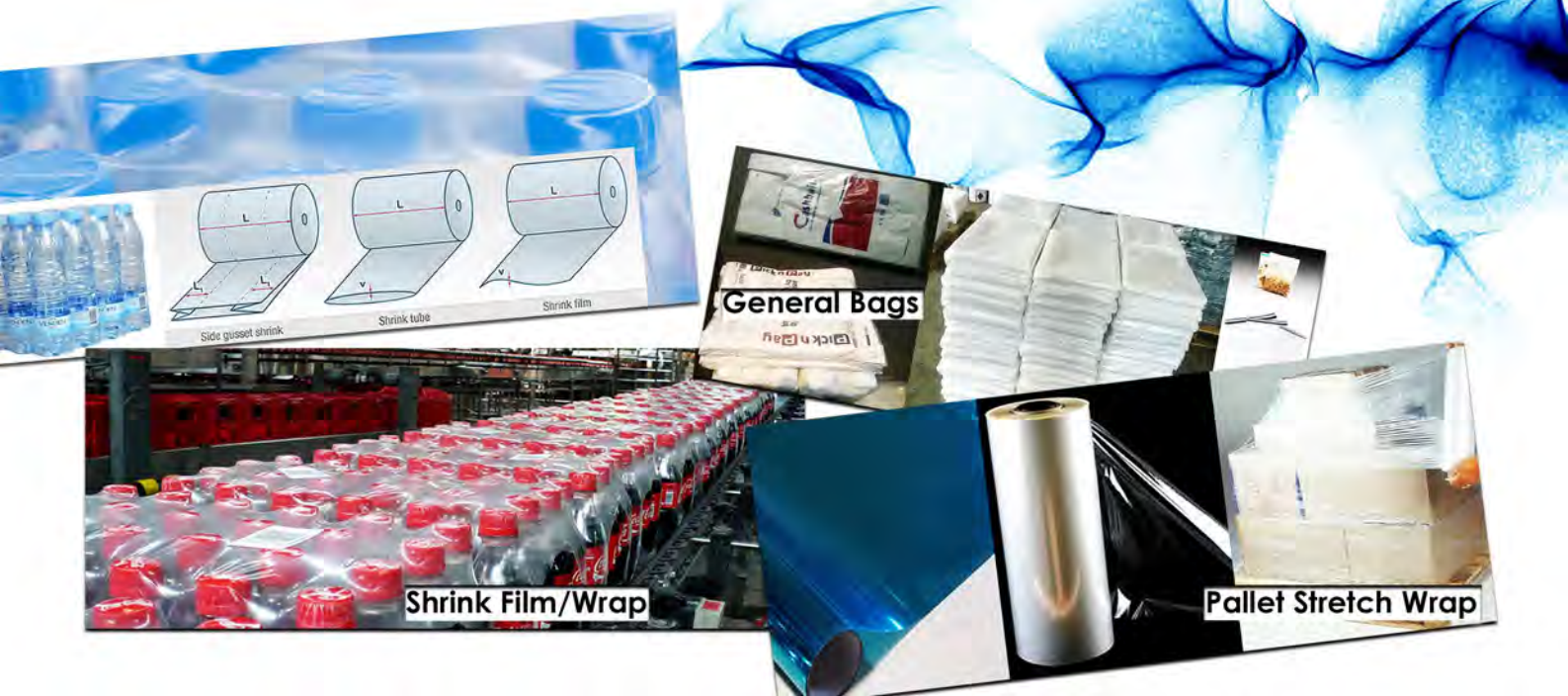
- **Specialised Bags** - We offer a range of bags that cater for the snack, Dog food, printed boutique bags, printed ice bags, milling (samp, maize, sugar, rice, and bird seed), sweets, IQF.

Specialised bags:

- Have a range of various punched out handles
- Can be manufactured in a range of various colour and size

- **Palet Wrap Firm** - has excellent cling and stretch characteristics which results in the following benefits:

- Excellent load stabilization
- Protects loads from moisture, dust and dirt during storage
- Reduces pilferage
- Faster and less expensive than





Shrink Shrouds/Hoods



Form Fill and Seal

- **Shrink shrouding/hooding** - consists of applying a layer of shrink film over a product, then heating the heat sensitive material, thereby enabling the film to shrink and adapt to the product. In this way, the optimum load stabilization is achieved to ensure efficient transportation of the product.

Benefits include:

- Better sealing and hence no breakages
- Lower operating costs
- Swazi Plastic is able to produce a film with different slip characteristics, viz, high slip. Improved clarity, enabling easier bar code reading and excellent visual presentation of your product on the inside layer and a non slip on the outside layer.

- **Form Fill and Seal** - 3 layers co extrusion gives Swazi Plastic the added benefit of using various additives to increase the strength. This benefit is extended to you the customer by down gauging and therefore increasing the yield. Our Form Fill and Seal (FFS) caters for a variety of industries including Milling (Sugar, Maize, dry beans etc), general food juice and dairy industry.

Benefits include:

- Can be offered in various colours
- Flexo graphically printed up to 8 colours
- The film can be micro perforated
- Excellent gloss, enhancing print quality

- **Tubing and Sheeting** - We supply a wide range of tubing and sheeting in different widths up to 6m wide and from 30micron to 300micron thick. The film is available in recycled and virgin for a multitude of industrial covering applications such as furniture, bedding, transport container liners, construction.

- **Brand Wrap/Printed Bunting** - Our brand wrap/ bunting can be offered in various colours and slit widths. This product is ideally suited for Point of sale and various other promotional displays can vary between 200mm up to 1000mm in width and can be printed up to 8 colours. We currently supply various advertising companies with this product.



Brand Wrap



Tubing and Sheeting



● **Barrier Safety Products -**

Swazi Plastic barrier fencing mesh is an extruded barrier mesh for cordoning off areas on construction sites, railways and sporting events. Manufactured in various weights and grades to suit application. The mesh safety fence is easy to erect using steel or wooden fencing pins providing higher visibility and strength versus standard barrier tapes.

Benefits include:

- Swazi Plastic safety fence is manufactured from polypropylene or high density polyethylene
- UV Stabilised for 10 years
- Bagged for storage / protection
- Standard sizes 1m x 50m and 1.2m x 50m

Swazi Plastic Barrier tape is an economy grade non-adhesive polyethylene barrier tape and is available in red / white and black / yellow stripes, offers good visibility and exceptional value for money. The Barrier tape can be overprinted with your customer name or unique warning message if required.

Benefits include:

- UV + scratch resistant ink
- 75mm wide as standard
- Overprinting available
- Other lengths available upon request

● **Courier/Flyer Bags** - Swazi Plastic offers a co extruded bag which services various segments of the Courier market .

Benefits include:

- Bags can be various colours on the inside and outside
- They can include a body pocket for way bills
- Can have sequential numbering
- Flexo graphically printed up to 8 colours
- Excellent capacity to ensure contents cannot be read

● **Liquid Packaging** - has excellent sealing characteristics resulting in no leakages. Utilizing our 3 layer co extrusion process, we are able to offer the Dairy and juice industry a thinner gauge film than the industry norm. This process also allows us to add various additives to decrease the Water Vapor Transmission Rate (MVTR).

Benefits include:

- The film can be offered in various colours, and can be flexo graphically printed up to 8 colours
- Can be used through most Form fill and seal machines
- Has a greater seal window in turn reducing the leaker rate considerably



Stretch Hoods

- **Stretch Hoods** - consists of applying a flexible, *®elasticized®* film hood, which contracts around the load and does not require heat. The hood is stretched to a dimension matching the exact outer circumference of the load and is applied over the load and released underneath the pallet. This ensures a reliable hold between the pallet and the load and secures the pallet for storage and transport. Stretch hoods can be stabilized against ultra violet rays for any period and can be tinted or opaque in any colour.

Benefits include:

- Excellent clarity allowing good visibility of the loads inside.
- Quicker application, which results in higher productivity
- No heating required, which results in a cost saving and added safety in not having to handle gas.
- Totally waterproof
- Excellent load stabilization

Agriculture



Swazi Plastic Industries



AGRICULTURE



Swazi Plastic is part of a giant manufacturing Corporation and that is Gundle Plastic Group. The Gundle Plastic Group has been the market leader in the field of Plasticulture for the past quarter of a century. It was the first company to manufacture agricultural films such as Greenhouse Films, Plastic Mulch, Hydroponic Membranes, Wide Width Silage and a diverse range of other agricultural films. Today Gundle Plastic Group still the only manufacturer of most of the plastic membranes used in South Africa.

Over the years the Group has built up a proud name for quality and service. Our products have set the standard in the industry for quality and performance and are supported by one of the most sophisticated laboratories in the country.

We are also ISO 9000 certified and our products carry the SABS mark where this is a requirement. Swazi Plastic and Gundle Group customers can safely rely on the track record we have built up over the past 30 years. We also have a national staff of specialized sales people who provide on site service when required.

●Feed Wrap -

- is a high strength, high stretch, and high tack reflective, White plastic that creates a airtight tension seal for a Minimum 12 month period to preserve silage bales.
- reflects solar heat, eliminating the wasteful caramelising that can occur with coloured wrapping films, thereby maximising the value of your silage and maintaining the, high levels of nutrition, with virtually no spoilage.
- has high strength and stretch capabilities (50 to 70%) without sacrificing UV durability or tack (adhesion). This combination of quality and performance gives you the economical advantage of up to 50% more bales per roll of plastic, depending on the machine you are using.
- was designed to withstand the extreme climatic conditions throughout Southern Africa. Swazi Plastic , being a true South African company manufactures FODDER FLEX for the South African market only and we are proud to offer a 12 month replacement warrantee on FODDER FLEX

•Cucumber shrink -

- Can be used through any heat tunnel machine
- Can be micro perforated

•Silex -

BENEFITS:

- Special formulated silage cover to exclude moisture and air.
- Long lasting in exposed sunlight.
- Good general purpose exterior covering sheet.
- Available in wide widths up to 8m can be welded.
- Roll lengths in 30 or 100m rolls.

SPECS:

- Blended LDPE material
- UV stabilised.
- Reasonable tear and puncture resistance.
- Available in a CO-ex black/white extrusion, 4m wide.
- Can be welded to produce wide width



- Rydek** - reduces frost damage RYDEK is formulated for short season application Wire hoops should not be placed further than 750mm apart as any planned saving in this respect could result in total loss due to wind damage Crops grown with great success under RYDEK include lettuce, radishes, tomatoes, strawberries, watermelons, beans, squash, asparagus, melons and various flowers RYDEK is particularly suitable for the protection of seed-beds for tobacco, vegetables, flower plants and for the propagation of cuttings yield is increased by 40 - 100% when using RYDEK.

This method is preferred due to easy replacement and crops that require protection for more than one season. Wire hoops should not be placed more than 750mm apart as any planned saving in this respect could result in total loss due to wind damage. Crops growth with great success under RYDEK include lettuce, radishes, tomatoes, strawberries, watermelons, beans, squash, asparagus, melons and various flowers. RYDEK is particularly suitable for the protection of seed-beds for tobacco, vegetables, flower plants and for the propagation of cuttings

BENEFITS:

- RYDEK reduces frost damage.
- RYDEK is formulated for short season applications.



- **Hydroliners** - Soilless vegetables production in stabilised gulleys.

BENEFITS:

- Soil less culture ensures weed free growth
- No mechanical land preparation.
- Optimum usage of water and nutrients
- Earlier and more even crops.
- No soil born diseases, less spraying

SPECS:

- UV Stabilised LDPE tube Standard widths.
- UV resistant up to 10 years for 500 micron
- Resistance to most chemicals.
- Exceptional tear and puncture resistance.
- Manufactured to customers specifications in lengths and widths.
- Produce in centre fold roll form for ease of laying

- **FLEXIPYP** -

- Adaptable to most flood irrigation systems.
- Allows more accurate water control.
- Eliminates water loss through seepage and evaporation in earth canals.
- Portability ensures improved land utilization.
- Reduces weed infestation along earth canals.
- Inexpensive, simple to install and easy to handle

- **Gunmulch** - Africa's most technically advanced plastic mulch. Ensuring optimum growth and improved yields.

- Black mulch eliminates weed growth.
- Excellent moisture conservation due to lack of evaporation.
- Less soil compaction by soil not drying out.
- Optimum usage of fertilizer. No leaching.
- Optimum usage of fertilizer. No leaching.
- Clear mulch heats soil and enables earlier planting (solar or chemical disinfection of soil necessary to prevent weed growth).
- Optimum conditions ensures earlier and larger crop.

SPECS:

- Manufactured from LLDPE.
- Excellent mechanical properties and tear strength.
- Thickness from 25 micron to 210 micron.
- Widths from 750mm to 1,5m.
- Lengths 500m to 1000m rolls.
- UV stabilized from 6 - 12 months.



- **Evadek** - Protect your profits with Evadek UV stabilised Greenhouse sheeting.

BENEFITS:

- UV Stabilised for resistance to solar ageing.
- Excellent visible light transmission.
- Excellent mechanical properties for harsh weather conditions.
- IR. additives can give a $\sim 15\%$ thermal effect.
- Additives can ensure good light transfection, reducing shadows.
- Antifogging/drip irrigation can be incorporated.
- Evadek can ensure all year round controlled environment growth and reduction.

SPECS:

PRODUCT SIZE

Standard stock sizes in 200 micron.

EVADEK

- 3m x 30m
- 3m x 100m
- 4m x 30m
- 4m x 100m
- 6,5m x 75m
- 7,5m x 75m
- 8m x 67m



- **Damlining** - An inexpensive water proofing method for large and small earth dams.

BENEFITS:

- In-expensive water proofing for large earth dams
- Adaptable to any shape or size.
- Adaptable to any shape or size.
- UV stabilised for long life.

SPECS:

- Various formulations of LDPE HDPE and EVA.
- Exceptional weathering properties.
- Good abrasive resistance.
- Good tear and puncture resistance.
- Produced in widths of 4 - 6m, can be welded



Construction



Swazi Plastic Industries



CONSTRUCTION

Introducing the new Swazi Plastic SABs Range of 3 Layer Construction Membranes
Multi-layer co-extrusion has the following advantages:

- It has a cross-linking effect between the different layers, which gives the sheeting added strength. This means that co-extruded sheeting of 170 or 180 microns in thickness is stronger than a mono-film of 250 microns in thickness.
- Each layer can have a different formulation. For instance, the top layer can be UV stabilised while the bottom layer can contain anti-oxidants to prevent breakdown caused by heat exposure.

All Swazi Plastic products comply with the national building regulations and are accepted by all municipalities and government departments. Swazi Plastic API has one of the most sophisticated and well equipped test laboratories in South Africa to ensure conformance with SABs and ISO standards. The quality of Swazi Plastic products has become a benchmark in the industry.

•Damp Proof Course -

Brikgrip D.P.C: BRICKGRIP DPC 3 LAYER 250® dampproof course is best utilised in preventing rising damp in walls. It prevents efflorescence and flaking of the wall covering. It will not absorb water and is chemically inert. Flexibility is retained between -45 and 78 degrees Celsius and the material does not extrude under pressure. Tear and puncture resistance are excellent.

BENEFITS:

- Prevents rising damp
- Will not absorb water
- Easy to handle
- Chemically inert
- Excellent breaking strength
- Excellent puncture resistance
- Convenient widths



SPECS:

The damp-proof course shall consist of BRICKGRIP DPC 3 LAYER 250® bearing SABs 952 - 1 : Type B well lapped at joints and intersections and bedded and joined in cement mortar.

●Insulation Membranes -

Roofing Products:INSULATION MEMBRANES

The latest addition to the Swazi Plastic Industries range of products is the Durafoil insulation membranes. These membranes are all aluminium foil laminates and conform to the SABS 1381-4 specification covering material for the thermal insulation of buildings. The Durafoil range consists of various laminates, and each product has been specially formulated for a specific insulation application - be it industrial or domestic.

- Under-Tile Membrane** - UT WHITE 3 LAYER 180 is a polyethylene membrane that has been specially formulated for use under roof tiles. It is supplied in rolls of 1,5 x 30m and is dimensionally stable, light in weight, translucent and weatherproof; handling and installation is easy. The product is a three layer laminate with a blue outer layer for easy, on site identification.

SPECS: one layer of UT White 3 LAYER 180 weatherproof sheeting, installed over common rafters and under battens to receive tiles. Allow a minimum overlap of 150 mm.

OPEN SOFFIT DETAIL-nBoarding to be used at the open eaves to carry the UT White 3 LAYER 180 to the gutter. The boarding gives added security to the structure because it prevents wind-lift of the tiles from the underside of the open soffit.

CLOSED SOFFIT DETAIL Turn down the UT White 3 LAYER 180 over the fascia board at the eaves and seal into the gutter.

BENEFITS: OPEN SOFFIT DETAIL

- The material equalizes the pressure and complements the function of the roof tiles.
- It is flexible, translucent and easily handled.
- It is used for the prevention of draughts and dust penetration into the roof spaces through tiles, and prevents damage to ceilings, rotting of timbers and corrosion of plumbing.
- The membrane is also designed to prevent moisture from warm damp air reaching and condensing on ceiling boards and other vulnerable points in the building fabric.



• U.S.B. Green -

UNDER-SURFACE BEDS: USB GREEN 3 LAYER 170® is co-extruded, consisting of the following: Outer layer - Black low-density polyethylene containing carbon black, which is a natural ultra-violet inhibitor. Middle layer - Black low-density polyethylene. Outer layer - Green low-density polyethylene, which allows for easy identification on site and has enhanced puncture resistance.

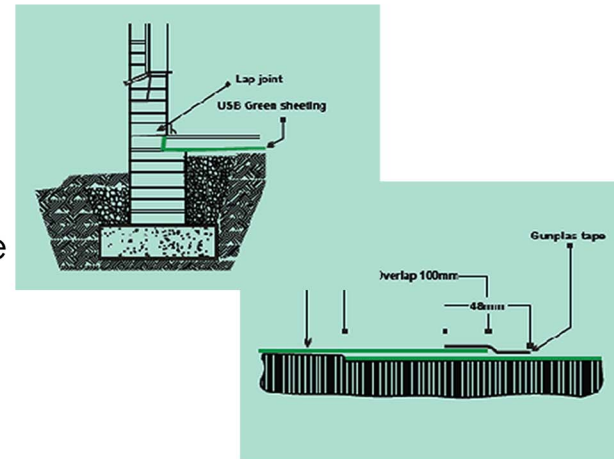
Note: Because of their high carbon content, USB Green 3 LAYER 170® can also be used where SABS black sheeting is specified, as it exceeds the minimum specification required for SABS black.

SPECS:

One layer of USB Green 3 LAYER 170® damp proof sheeting bearing SABS 952 - 1 : 2010 shall be laid in the widest practical widths to minimise joints and shall be turned up, dressed to load bearing walls, and lapped with Brickgrip SABS DPC. Gunplas USB Green 3 layer 170® may be lapped according to specifications.

BENEFITS:

- Prevents rising damp
- Prevents contamination of concrete
- Prevents efficiency loss of under-floor insulation
- Specially formulated as a damp-proof membrane
- Good puncture resistance
- Good tear strength
- Wide widths



Anti-Termite membranes

Anti-Termite Brikgrip® DPC 3-layer 250 micrometer is an SABS approved damp proof course that is utilised in preventing rising damp in walls, as well as efflorescence and flaking of the wall covering. The sheeting is tear and puncture resistant and contains a pesticide which makes it termite resistant, creating an essential barrier to protect your home from the outset. Anti-Termite GREEN USB 3-LAYER 250® sheeting is tear and puncture resistant to prevent rising damp through the floor slab, it is also termite resistant, creating an essential barrier to protect your home.

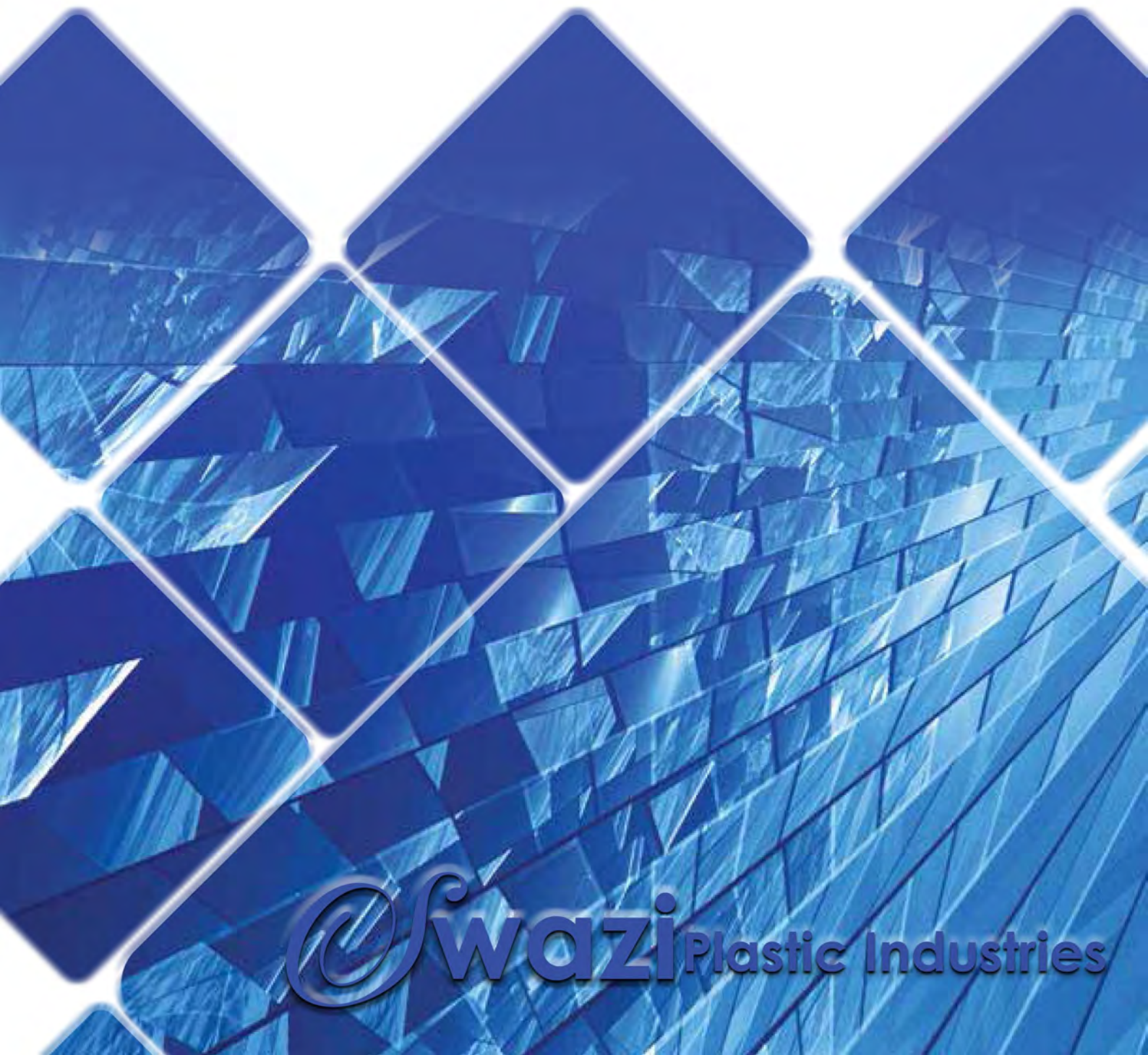
• Hyperlastic Orange -

BASEMENT TANKING: The waterproofing of a basement is dependent on the structural design. Swazi Plastic Tanking Membrane keeps your basement dry and keeps the damp from seeping into the walls when a portion of your house is underground or built against a hill, where you are most likely to have a high moisture content. Available are widths of 3m and 4m, in 30m lengths.

SPECS:

One layer of 375µm HYPERLASTIC ORANGE® waterproof sheeting bearing SABS 952-1 2011 Type A. Joining: All joining shall be carried out strictly in accordance with the manufacturer's instructions.

Geo-synthetics



Swazi Plastic Industries

GEO-SYNTHETICS PRODUCTS



HDPE
High Density Polyethylene (HDPE) and Linear Low Density Polyethylene (LLDPE) 0.5mm to 3.0mm smooth or one side or both sides textured.



Geotextile
Non-woven polypropylene needle punched continuous filament. Other types: Stitch Bonds, Staple Fibre or Woven Polypropylene



Geotextile Drainage Membrane
High / Low density caspated drainage sheet



Grids
Highly orientated polypropylene or polyester bar that is uniformly extruded and drawn to achieve a high modulus and strength at low elongations



GCL'S
Bentonite powder and/or granules encased in a body of geotextile



GCL'S Geo Cells
Honeycomb-like structure manufactured from polypropylene or HDPE or LDPE

SWAZI PLASTIC FACTORY SHOP



Swazi Plastic Industries

SWAZI PLASTIC FACTORY SHOP

Our factory shop provides our customers with all their packaging solutions under one house which caters to the local market such as Butcheries, general shops, construction companies, fast food restaurants, farmers, handy crafts, timber companies and many more sectors in our local market. We provide a multitude of products for the different sectors such as:

INDUSTRIAL PACKAGING

Pallet wrap: For the secure packaging and transportation of any products. The plastic is thin and thus adheres to itself when wrapping for security or protection from the weather and casual pilfering etc. We have the hand held roll with an extended core for easy handling. These come in varying lengths and thicknesses.

Top Covers: Made for pallets for the protection from rain damage and petty pilfering.

Bubble wrap: used for securing delicate good and breakables.

Industrial Black plastic: All-purpose black sheeting for general uses.

Shrink wrap: For the secure packaging and transportation of any products.

Shroud Covers/Shrouded hoods: used for protecting goods from water and dust damages.

Baler Bags: used for packaging of smaller bags into bulk bales

Company Branded bags: bags that are personalised for company use.

Form fill and seal plastic: used for liquid packaging and is used on Form Fill and Seal machines

Refuse bags "dust bin bags" (Trolley bin liners, disposable bags, garbage bags): used to dispose of any unwanted goods and to line any size bins.



HOSPITALITY /RESTAURANTS AND TAKE AWAYS

Cling wrap /shrink wrap– used for food wrapping and storage.

Fomo Packaging and trays: food packaging for restaurants and take aways / restuarants

Zip lock bags: These useful self seal mini grip bags come in handy in many industries for the storage of small items.

Branded Ice Bag: branded ice bags made to customer's specifications ensures no splits and leaks.

Baler bags: used for packaging of smaller bags into bulk bales.

WE STOCK A WIDE RANGE OF SPECIALISED TAPES, TWINE, BUCKLES AND STRAPPING AS LISTED BELOW.

- Specialised tapes in different sizes, lengths, multiple applications and industries such as clear tape, ducting tape, aluminium tape, PVC tape, filament tape and many more.
- Farmers bailing twine in assorted colours and sizes which can be used for bailing hay, tomato farming, thatching twine, and polo twine etc.
- Hand strapping and PET strapping which are supplied in a variety of colours, thickness's and strength which can be used in handy crafts, packaging, used in timber industry for holding down planks and logs and bricks.
- Buckles provided in a variety of sizes, shapes and types (galvanized, phosphate buckles, Poly buckles and round buckles)
- Packaging tape tool also known as a hand tape dispenser

We also stock spares for sealing machines such as Teflon tape, element ribbon, cutting wire etc

