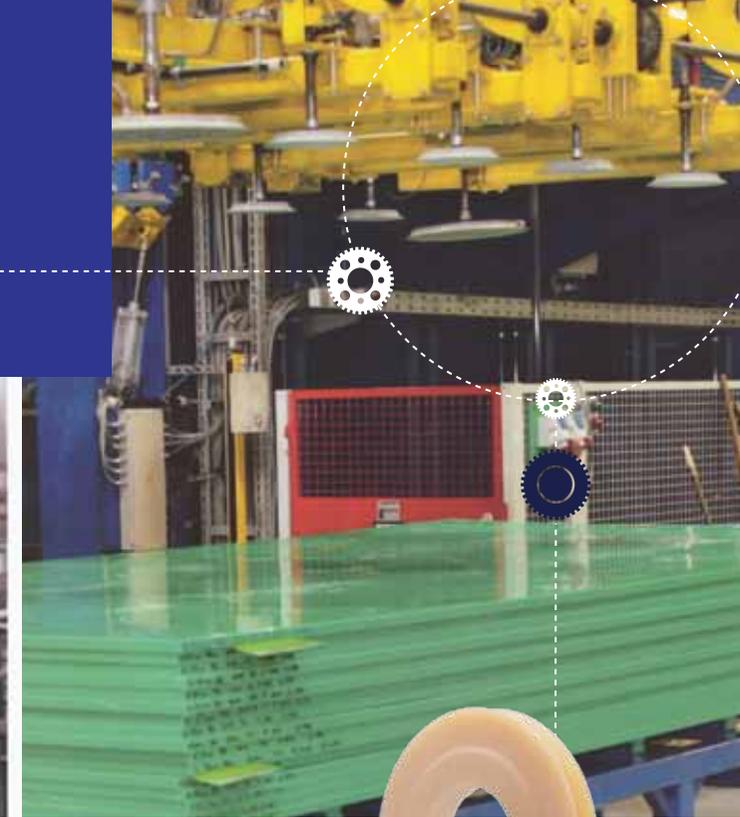




Steelplast CC
Engineering Plastics

WELCOME TO STEELPLAST CC

Steelplast CC is one of the the leading Supplier of the complete range of German Quality Engineering Plastic. Steelplast CC was established in 2010, sine opening our doors we have become a renowned and trusted name in the Engineering industry. Our extended service is to offer precision machining facilities to machine all components to customer specifications.



We offer “cut to size” services while you wait. Our company has rapidly flourished after competitively entering local as well as international markets. Our range consists of the following grades:

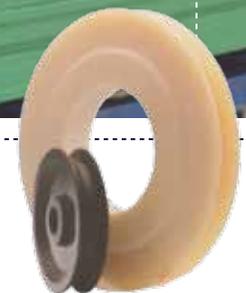
UHMW-PE, HDPE, Nylon, Ertacetal (POM), Ertalyte (PET), Polypropylene, PTFE / Teflon, Perspex Vesconite and Polyurethane.

Our lining division specializes in the lining of buckets, silo's and chutes. We have established a respected name in the industry due to our strong business ethics and principles. We will always deliver on time and make sure that our clients receive the personalised and bespoke precision manufacturing services that they deserve.

LONG LASTING CLIENT RELATIONSHIPS

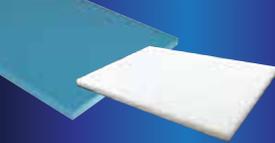
We aim to consistently provide a seamless and precise service that is unbeatable. Our logistical team will ensure that our clients receive on time deliveries anywhere in the country. It is because of our commitment to service excellence that we have created long lasting relationships with all our clients.

Customer satisfaction is key to our business and our dedicated team goes the extra mile for our clients. We also work closely with our clients and make sure that their individual components are manufactured to their exact specifications and requirements.



SEMI-FINISHED PRODUCTS / SHEETS & RODS

STEELPLAST – offers a wide range of semi-finished products and sheets for various applications. Particularly for further processing, we offer products of special settings, special dimensions and special thicknesses.

	ERTACETAL C: POM-C	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
001	POM is a polyacetal. This material features very good mechanical characteristics, but offers less wear resistance than PA 6 G.	<ul style="list-style-type: none"> • Bearings and gearwheels • Isolating parts • Precision parts for mechanical engineering 	<ul style="list-style-type: none"> • Low moisture absorption • High mechanical solidity and rigidity • Good sliding properties 	<ul style="list-style-type: none"> • 2000X1000X0.5 – 50MM 	<ul style="list-style-type: none"> • Ø6 – Ø200 	
	ERTALYTE: PET	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
002	PETP is a semi-crystalline thermoplastic polyethylene terephthalate. This material features wear levels that are better than those of POM and also less moisture absorption than POM. PETP is especially suitable for complex precision parts.	<ul style="list-style-type: none"> • Mechanical engineering • Gearwheels • Frame and pump components • Cam discs • Sliding elements 	<ul style="list-style-type: none"> • good hardness, rigidity and strength • excellent sliding characteristics • low sliding abrasion • very good dimensional stability • very low moisture absorption 	<ul style="list-style-type: none"> • 1000X620X8 – 60MM • 3000X620X8 – 60MM 	<ul style="list-style-type: none"> • Ø10 – Ø150 	
	HDPE - HIGH-DENSITY POLYETHYLENE	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
003	High density polyethylene (HDPE) is used in a variety of applications and industries where excellent impact resistance, high tensile strength, low moisture absorption and chemical- and corrosion-resistance properties are required.	<ul style="list-style-type: none"> • Food industry • Mechanical engineering • Transport and conveyor systems • Brewery technology 	<ul style="list-style-type: none"> • Good sliding properties • High bending- and impact strength 	<ul style="list-style-type: none"> • 2000X1000X1 – 50MM • 3000X1500X3 – 25MM • 4000X2000X8 – 20MM 	<ul style="list-style-type: none"> • Ø8 – Ø250 	
	HMWPE / PE 500	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
004	High Molecular Weight Polyethylene. High molecular weight low pressure polyethylene (PE-HMW) with a molecular weight of approximately 0.5 g/mol. Thanks to the use of specially selected additives it is possible to enhance the material PE 500® according to the respective specific demands. This is primarily accomplished by the use of lubricants.	<ul style="list-style-type: none"> • Food industry • Machine construction • Transport and conveyor systems 	<ul style="list-style-type: none"> • excellent wear properties • good sliding properties • highly resistant to bending and impact • highest resistance to cold 	<ul style="list-style-type: none"> • 2000X1000X8 – 70MM 		
	NYLON : PA 6	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
005	PA 6 is a polyamide that is manufactured in an extrusion process. The moisture absorption is relatively high compared to PA 6 G, and the wear resistance and dimensional stability are at lower levels than those found in PA 6 G	<ul style="list-style-type: none"> • Components exposed to shock • Gearwheels • Light-duty slide bearings • Chain guides 	<ul style="list-style-type: none"> • High impact strength 	<ul style="list-style-type: none"> • 2000X1000X2 – 12MM • 1250X620X8 – 40MM • 2500X1250X8 – 100MM 	<ul style="list-style-type: none"> • Ø10 – Ø120 	
	NYLON : PA 66	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
006	Nylon 66 (aka nylon 6-6, nylon 6/6 or nylon 6,6) is a type of polyamide or nylon. Nylons come in many types, and the two most common for textile and plastics industries are nylon 6 and nylon 66. Nylon 66 is made of two monomers each containing 6 carbon atoms, hexamethylenediamine and adipic acid, which give nylon 66 its name	<ul style="list-style-type: none"> • Friction bearings • Friction sheets 	<ul style="list-style-type: none"> • High stability • Good wear resistance 		<ul style="list-style-type: none"> • Ø8 – Ø32 	
	NYLON: PA 6 G	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
007	PA 6 G is a cast polyamide that is manufactured by direct polymerization. It is available in practically unlimitedly large dimensions, and its mechanical characteristics are superior to those found in extruded polyamides.	<ul style="list-style-type: none"> • Cam- and guide rollers • Rope rollers • Gearwheels • Slide bearings • Chain guides 	<ul style="list-style-type: none"> • Good wear resistance • High tensile strength and resistance to pressure • Good dimensional stability 	<ul style="list-style-type: none"> • 2020X1010X10 – 100MM 	<ul style="list-style-type: none"> • Ø50 – Ø300 	

	NYLON: PA 6 G	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
007	PA 6 G is a cast polyamide that is manufactured by direct polymerization. It is available in practically unlimitedly large dimensions, and its mechanical characteristics are superior to those found in extruded polyamides.	<ul style="list-style-type: none"> • Cam- and guide rollers • Rope rollers • Gearwheels • Slide bearings • Chain guides 	<ul style="list-style-type: none"> • Good wear resistance • High tensile strength and resistance to pressure • Good dimensional stability 	<ul style="list-style-type: none"> • 2020X1010X10 – 100MM 	<ul style="list-style-type: none"> • Ø50 – Ø300 	
	NYLON OIL-FILLED	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
008	PA 6 G + Oil is a cast polyamide that is manufactured by direct polymerization. PA 6 G + Oil is PA 6 G modified by means of integrated lubrication with oil, solid lubricants and stabilizers. This produces a coefficient of friction that is up to 50% lower, as well as wear resistance up to five times greater than other polyamides offer.	<ul style="list-style-type: none"> • Chain guides and guide rollers • Bearings • Deflection rollers • Guide rails • Conveying screws • Conveying stars 	<ul style="list-style-type: none"> • Best wear resistance • Low coefficient of friction during dry run 	<ul style="list-style-type: none"> • 1250X620X8 – 40MM • 2500X1250X8 – 40MM 	<ul style="list-style-type: none"> • Ø50 – Ø150 	
	POLYPROPYLENE	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
009	PP is a homopolymer polypropylene. The material features very good chemical resistance as well as corrosion resistance.	<ul style="list-style-type: none"> • chemical machines and container construction • laboratory construction • food industry 	<ul style="list-style-type: none"> • Long-term heat resistance • High chemical resistance 	<ul style="list-style-type: none"> • 1250X620X8 – 40MM • 300X1500X8 – 40MM • 4000X2000X6 – 50MM 	<ul style="list-style-type: none"> • Ø10 – Ø300 	
	PTFE (Teflon®)	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
010	The engineering plastic PTFE (polytetrafluoroethylene) is a semi-crystalline polymer made of fluorine and carbon. Thanks to its resistance to chemicals and its temperature stability, it is excellently suitable for areas in which products are transported, dried or cooled.	<ul style="list-style-type: none"> • seals • guides • light-duty machine parts 	<ul style="list-style-type: none"> • excellent chemical resistance • low friction coefficient • best temperature stability 	<ul style="list-style-type: none"> • 1200X1200X0.5 – 25MM 	<ul style="list-style-type: none"> • Ø6 – Ø150 	
	PVC	FIELDS OF APPLICATION	PROPERTIES	SHEETS	ROD	
011	PVC is a polyvinyl chloride and is one of the thermoplastic plastics. PVC not only has excellent resistance to chemicals, it is also classified as flame retardant at the highest level without the use of any additives.	<ul style="list-style-type: none"> • Covering • Chemical machines • Container construction • Suitable for field work 	<ul style="list-style-type: none"> • High impact strength • Best chemical resistance • Flame resistant • Good machinable processing 	<ul style="list-style-type: none"> • 2000X1000X1 – 50MM • 3000X1500X2 – 15MM 	<ul style="list-style-type: none"> • Ø5 – Ø250 	

LININGS

FLEX-LINE® LOW FRICTION LININGS

Bulk materials don't always flow reliably. They compact, rat-hole and arch and results can be costly. Production shuts down. Work hours are wasted and safety is compromised. But you can achieve mass flow and get your business moving again.

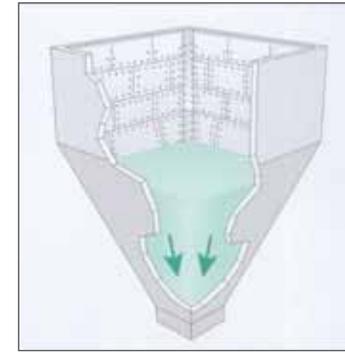
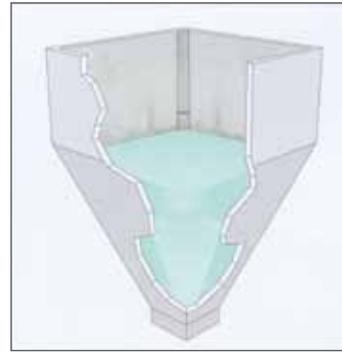
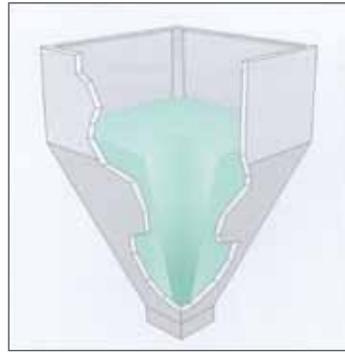
Problems that are frequently encountered involve:

- Erratic flow
- Flooding of feeder interface
- Blockages and rat-holing
- Mechanical and cohesive arching
- Product segregation
- Product degradation
- Lack of storage capacity
- Structural failure

THE FLEX-LINE® SOLUTION

Flex-line® High Performance Low Friction Linings.

Flex-line® low surface friction promotes flow of cohesive, non-free-flowing bulk materials. Its unique surface permits shallower hopper wall angles in new construction design. Flex-line® improves performance of existing structures with linings on interior surfaces of chutes, hoppers and process equipment. Linings are mechanically fastened to substrates of steel, stainless steel, aluminium and concrete. Engineering firms and flow consultants worldwide specify Flex-line® linings more often than any other polymer.



FLEX-LINE® APPLICATIONS & DIFFERENT GRADES

For the lining of:

Chutes, hoppers, bins, bunkers, silos, vibratory feeders, slider beds, conveyor skirting, drag conveyors, dragline buckets, front end loader and excavator buckets, off / on-road tipper truck bodies, railcars, dust collectors, cyclones & many more.

Bulk Material Handled:

Animal feed, anthracite culm, bauxite, bituminous coal, chemical powders, copper concentrate, dust, fertilizers, fly ash, foundry sand, grains, raw sugar, gypsum, iron ore, kaolin, lime, limestone, nickel ore, platinum ore, phosphate, salt, sand, silica sand, soap detergent, sub-bituminous coal, waste coals, wood chips & many more. Sharp and / or large rocks must be avoided, especially crushed or blasted rock still in large form, as Flex-Line® is primarily a flow liner and not an impact or wear liner although it has the properties of high abrasion resistance and good impact resistance.

EXAMPLES OF MATERIALS HANDLED:

Fine river sand	Fine slurry	Crushed Limestone	Fine Coal	Raw Sugar
Silica Sand	Animal Feed Industry	Fine copper sulphate	Limestone	Ammonium Sulphate

EXAMPLES OF MATERIALS WHICH WILL DAMAGE FLEX-LINE® - HIGH IMPACT & SHARP CUTTING EDGES:

Large Sharp Rocks	Glass recycling	Rock pile	Blasted rock
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OUTRIGGER PADS

Introduction to our Imported Outrigger Pads

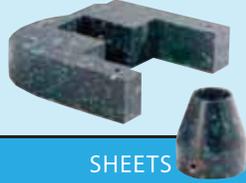
Our German Manufactured Outrigger pads have been used successfully for years to provide mobile cranes with sure footing on site. Not only do they prevent the vehicle from slipping, they also avoid it from sinking into a softer ground that needs to be protected. The pads are available in many sizes and designs for different applications in various sectors.

OUR PRODUCT ADVANTAGES: Easy to mount, Compact, Extreme stability, No moisture absorption, Easy to clean, Engraving upon request

PROPERTIES: Lightweight, with rope handle, Compact, Extremely durable, Easy to stack & store, Unbreakable, Camping vehicles

APPLICATIONS: Mobile cranes, Rigging cranes, Loading cranes, Concrete pumps, Scaffolding work, Very durable



UHMWPE / PE 1000	FIELDS OF APPLICATION	PROPERTIES	SHEETS
Ultra High Molecular Weight Polyethylene. (PE-UHMW) with a molecular weight of approximately 4.4 - 9.2 million g/mol. By way of specially selected additives it is possible to enhance the material PE 1000 to cater to the respective specific demands. This is primarily accomplished by means of the use of lubricants and biodegradable oils.	<ul style="list-style-type: none"> • Automobile industry • Mechanical engineering • Transport and conveyor systems • Chemical industry • Nuclear industry • Cement- and limestone works • Harbour facilities 	<ul style="list-style-type: none"> • Good wear resistance • Good sliding properties • High bending- and impact strength • Good chemical resistance • No moisture absorption 	<ul style="list-style-type: none"> • 2000X1000X6 –100MM
A4® REG 1000	FIELDS OF APPLICATION	PROPERTIES	SHEETS
Ultra High Molecular Weight Polyethylene. A4® REG 1000 is a regenerated material based on ultra-high molecular weight low pressure polyethylene (PE-UHMW) with a corresponding high proportion of new material. This mixing ratio results in an economical material that is suitable for a variety of uses. Especially as a cost efficient option, the material A4® REG 1000 has proven its worth.	<ul style="list-style-type: none"> • Transport and conveyor systems • Beverage and packaging industry • Machine construction 	<ul style="list-style-type: none"> • Good wear resistance • Good sliding properties • High bending- and impact strength • Good chemical resistance. 	<ul style="list-style-type: none"> • 2020X1010X10 –60MM • 2020X1220X10 - 40MM • 2520X1220X10 - 30MM • 3030X1010X10 - 40MM • 3050X1220X10 - 30MM 
A4® G multicolour (Confetti) RE-GRIND	FIELDS OF APPLICATION	PROPERTIES	SHEETS
A4® G multicolour is a regenerated material based on PE-UHMW (ultra-high molecular weight low pressure polyethylene's). This economical alternative offers good material properties, is convenient to use (with certain restrictions), and is widely acknowledged.	<ul style="list-style-type: none"> • Transport and conveyor systems • Production of prefabricated concrete components • Harbour construction • Coal-fired power stations • Bunker linings 	<ul style="list-style-type: none"> • Excellent wear properties • Good sliding properties • Highly resistant to bending and impact • Good chemical stability • No moisture absorption 	<ul style="list-style-type: none"> • 2020X1010X8 – 100MM 
FLEXLINE GREEN UHMW-PE	FIELDS OF APPLICATION	PROPERTIES	SHEETS
FlexLine is a partly crosslinked ultra-high molecular weight polyethylene (PE-UHMW) with a molecular weight of from 7 - 9.2 million g/mol. A modification optimizes the material, both in terms of wear and sliding. This positions FlexLine as an excellent lining material with global applications.	<ul style="list-style-type: none"> • Transport and conveyor systems • Production of prefabricated concrete components • Harbour construction • Coal-fired power stations • Bunker linings 	<ul style="list-style-type: none"> • Excellent wear properties • Good sliding properties • Highly resistant to bending and impact 	<ul style="list-style-type: none"> • 2020X1010X10 – 20MM • 3000X2000X10 - 20MM 
FLEX 8800 BLUE UHMW-PE	FIELDS OF APPLICATION	PROPERTIES	SHEETS
Flex 8800 is a partly crosslinked ultra-high molecular weight polyethylene (PE-UHMW) with a molecular weight of 9.2 million g/mol. A modification optimizes the material, both in terms of wear and sliding. This positions Flex 8800 as an excellent lining material.	<ul style="list-style-type: none"> • Lining 	<ul style="list-style-type: none"> • Best wear resistance • Good sliding properties • Best bending- and impact strength 	<ul style="list-style-type: none"> • 2020X1010X10 – 20MM • 3000X2000X10 - 20MM 
ST 6000® protect Rubber Back – UHMW-PE	FIELDS OF APPLICATION	PROPERTIES	SHEETS
St 6000® protect is a composite material with a sandwich structure; it is manufactured from St 1000® and an oil-resistant rubber (NBR). Our method of sintering under pressure permanently joins the two materials, enabling users to glue the rubberized side.	<ul style="list-style-type: none"> • Transport technology • Coal-fired power stations • Mining • Lining 	<ul style="list-style-type: none"> • Properties like St 1000® • Good acoustic insulation • Anti-adhesive behaviour • High energy absorption for shock and impact loading 	<ul style="list-style-type: none"> • 2020X1010X8/3 – 12/3MM 



OUTRIGGER PADS POLYETHYLENE

APPROVED OUTRIGGER PADS

**Easy to mount,
Compact, Extreme
stability, No moisture
absorption
Easy to clean,
Engraving upon
request, Very durable**

INTRODUCTION TO OUR IMPORTED OUTRIGGER PADS

Our German Manufactured Outrigger pads have been used successfully for years to provide mobile cranes with sure footing on site. Not only do they prevent the vehicle from slipping, they also avoid it from sinking into a softer ground that needs to be protected. The pads are available in many sizes and designs for different applications in various sectors.



Prüfbericht - Nr.: 3837PR29900

des Prüflaboratoriums Institut für Materialprüfung

Test report of testing laboratory Institute for Material Testing

Auftraggeber/customer: Wefapress Beck + Co. GmbH
Up de Hacke 21/31
48691 Vreden

Bestell-Nr./order-no.: EB-28090 **vom/dated:** 07.11.2016

Prüfgegenstand/test item: Round blank of plastic material

Eingangsdatum/date of receipt: **Prüfdatum/inspection date:** 20.01.2010

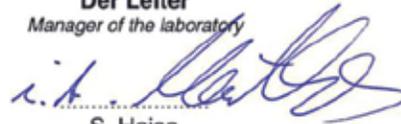
Ergebnisse der Untersuchung: Alle Angaben zu den Prüfergebnissen und den angewandten Prüfverfahren sind in den Anlagen zusammengestellt.
results of examination *Information on test results and test procedures utilized is listed in enclosures.*

Dieser Prüfbericht umfasst: Deckblatt/cover sheet 1 Blatt/page(s)
This test report contains Anlagen/enclosures Protokoll 4 Blatt/page(s)
Gesamtblattzahl dieses Berichts: 5 Blatt/page(s)
Number of pages in this report

Die Prüfergebnisse beziehen sich ausschließlich auf den Prüfgegenstand. Jede auszugsweise Vervielfältigung bedarf der schriftlichen Genehmigung des Instituts für Materialprüfung, TÜV NORD EnSys GmbH & Co. KG, Hamburg.
The test results relate only to the items tested. The report shall not be reproduced except in full without the written approval of the Institute for Material Testing, TÜV NORD EnSys GmbH & Co. KG, Hamburg.

Zusätzliche Angaben: English translation of the origin report 3837PR29900 from 2010-01-24.
additional information

Der Leiter
Manager of the laboratory



S. Heise

Dipl.-Ing. F. Mathes

Hamburg, 18.11.2016



OUTRIGGER PADS POLYETHYLENE

APPLICATIONS:

- Mobile cranes**
- Rigging cranes**
- Loading cranes**
- Concrete pumps**
- Scaffolding work**
- Camping vehicles**

PROPERTIES:

- Lightweight, with rope handle**
- Compact**
- Extremely durable**
- Easy to stack & store**
- Unbreakable**

CONSTRUCTION MICRON PLASTIC SHEETING



PLASTIC SHEETING MANUFACTURE

We are a plastic sheeting manufacturer who practices strict quality controls. We use industry-leading European machinery, which ensures even thickness, weights and durability. This means your plastic sheets are manufactured to the highest standards, giving you the best possible product.

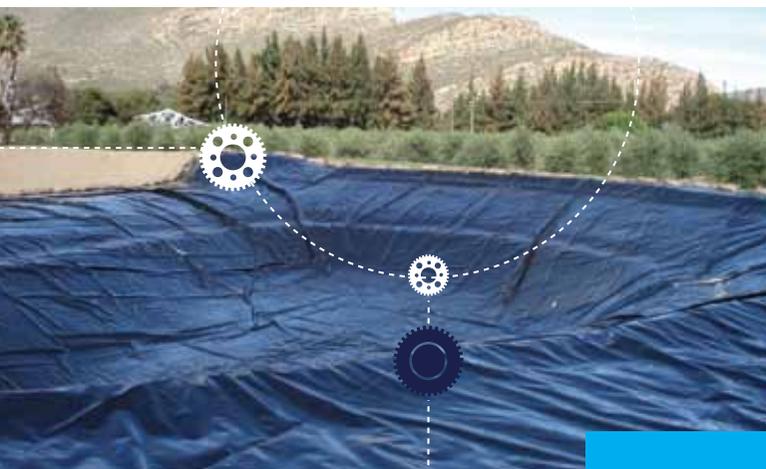
Looking for a Plastic sheeting supplier? Look no further than Steelplast CC. We will provide you with premium quality plastic sheeting for all your needs - whether you need roof sheeting or plastic sheets for any other purpose.

Our polyethylene sheeting is produced in a range of widths and thickness according to your requirements, as well as centrefold sheets that open up to double the width. We can supply plastic sheeting in large roll form or on smaller re-wound 30m rolls. Our plastic sheets are available in recycled and virgin plastic - in black or smoky.



CONCRETE

When it comes to concrete flooring, you can use a damp-proof underlay that acts as waterproofing and prevents rising moisture. This kind of plastic sheeting, laid under the flooring, improves the curing of concrete and prevents contamination and unhealthy living conditions.



ROOFING

We also supply roof sheeting, which is specially manufactured for use under tiles and acts as a dust barrier, while adding waterproofing. Roof sheeting also prevents updrafts from lifting your tiles and helps protect your ceilings.

BUILDER

Our builder sheeting is used in the construction industry as a damp-proof course. A horizontal layer of builders sheeting is laid in the walls as a barrier to resist moisture rising up through the structure and causing damage. The advantage of our plastic sheeting is that it has excellent puncture - and tear-resistant properties, while it won't perish, crack or decay.



Flexible, heavy duty plastic sheeting for the construction and building industry, paint projects, agriculture applications and equipment covers. We can manufacture from 50 – 1000 microns.



CONTACT US

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