We make your product

Any polymer on any carrier, with any coating technology, in any colour or width and in any aspect for all your applications.

World market leader

World market leader, Full service provider, Unique in the world, Capacity and flexibility, a highly automated production system, a permanent concern for quality, a strong spirit of innovation and a targeted R&D.

The Coating Division is the world leader in the integrated coating of synthetic fabrics. We produce yarns, weave fabrics, produce pastes and turn it into technical textiles.
WELCOME TO THE WORLD OF TECHNICAL TEXTILES
Sioen has the entire production process under one roof, from the yarn, raw fabric and pigment pastes to coating and processing the technical textile:

- the coating layer or protective layer, consisting of polymers in liquid or solid form - With Sioen Chemicals we produce all pastes, varnishes and pigment powders ourselves.
- the carrier or substrate, in the form of a woven or knitted fabric or non-woven item - We have one spinning mill and 3 weaving mills.
- the coating technology: this includes the entire process of applying the coating layer to the substrate- Sioen specialises in 5 coating techniques.
• **Spinning - Yarn**
  Sioen has the most modern spinning mill in the world with an output of approx. 16,000 tons of polyester and/or polyamide high-tenacity yarns. Some of the yarn is twisted in the twisting plant.

• **Weaving**
  Sioen has 3 weaving mills in Belgium, in Ardoie, Moeskroen and Kerksken. We use our high tenacity polyester yarn to weave the base material for the coating.

  Sioen Weaving is capable of converting a wide range of raw materials such as polyester, polyamide, para-aramide, meta-aramide, polypropylene, polyethylene, nomex, and others…

  Monofilaments, multi-filaments as well as spun fibers and adhesion activated yarns can be applied in counts from 20dTex till 6600dTex, twisted or untwisted.

• **Chemicals**
  We produce our own pigment pastes, varnishes and inks in our high tech production plants.

• **Coating**
  The Coating Division is the world leader in the integrated coating of technical fabrics. We cover a carrier with a protective layer such as PVC, PU, silicon or another polymer. The fabrics acquire specific technical qualities, becoming waterproof, microporous, fireproof, anti-static, breathing, printable, etc. and offering protection against water, wind, cold and chemical products.
Coating is the process of covering a substrate (nylon, polypropylene, polyester, polyamide, cotton, wool, woven or non-woven fabrics or sheets), with a product (PVC, PU, silicone or other) to alter and enhance its physical properties and appearance. The end result is a technical textile with properties such as chemical resistance, anti-stain protection, vapour and gas resistance, electrical conductivity, water and abrasion resistance, anti-staticness, printability and fire retardancy. Sioen Industries is using five main coating techniques in Belgium, in France and in Portugal.

• **Direct coating**
  The PVC coating paste is directly applied to the fabric in four layers. Applications are: side curtains, tilts and tarpaulins for trucks, railway wagons and containers, sports mats, swimming pool covers, textile architecture, publicity banners,…

• **Transfer coating**
  The coating paste (PU, silicone, etc.) is applied to the fabric through a paper carrier. Applications are: protective clothing, outdoor sports clothing, shoe protectors, mattress protectors, airbags, tents,…

• **Online coating**
  With online coating the open fabric is being dipped in a coating bath once it comes off the loom. Applications are: geogrids, swimming pool covers, reinforcement nets, windbreak nets, filters,…

• **Melt coating**
  Through melt coating we produce a film out of different polymers which is then laminated onto a carrier. This carrier can be a textile, a felt, knitted fabric, another film or paper. Applications include technical textiles for sewer renovation.

• **Calendering (rolling)**
  We make TPO (thermoplastic polyolefin) and PVC films which are embossed to give the film a textured aspect. Applications are: car dashboards, door panels, sun visors, wall coverings, pond liners,…
FIVE COATING TECHNIQUES

DIRECT COATING

ONLINE COATING

TRANSFER COATING

MELT COATING

CALENDERING (ROLLING)
We master 5 coating techniques; we have over 250 weaving looms; we have 10 production lines; we market over 5000 products.

We are extremely flexible in all fields of our business:

- **Machine flexibility**: each machine can perform different operation types
- **Operation flexibility**: our ability to produce a product in different ways
- **Process flexibility**
- **Product flexibility**: we have a range of standard products and produce special products tailor made
- **Volume flexibility**
- **Production flexibility**
- **Market flexibility**

We can produce products in many ways, in small and huge quantities, standard or tailor made, on many machines, 24 hours/ 7 days. At your service.
Know-how is one of Sioen’s great strengths. With over 50 years in the business, we have more accumulated know-how of textile coating technology and coated textile applications than any other company in the world.

No other single company masters five different textile coating techniques. No other company has as much experience and knowledge of standards and rules. No other company has experience of as many markets.

This know-how is gained through systematically searching for solutions to practical problems, much of the time in close cooperation with our customers. It is expanded by using existing know-how as a basis for entering new markets. It is protected by strong employee loyalty and motivation.
The Sioen headquarters are situated in Belgium in the heart of West Flanders.

Here, all group services are concentrated: IT, financial department, marketing, human resources and the legal department. These activities are situated on group level and are shared by all daughter companies of the group.

In addition, the plant in Ardooie groups a major part of the R&D activities of Sioen. 4 laboratories, efficacious testing machines and skilled researchers are the heart of Sioen’s innovating activities.

All our production plants are state-of-the-art. They are equipped with the newest machines, performing and of high quality. Our workers are experienced, dedicated and driven. Men and machines are making the difference.

Certification

We were ISO 9001 certified in 1996. The five areas of focus for the ISO 9001 standard - quality management system, management responsibility, management of resources, fabrication of the product, and measurement, analysis and improvement – form the core of Sioen’s integrated quality assurance system.
A LARGE PRODUCT PORTFOLIO

- Truck Tarps
- GYM Mats
- Body Armour
- High Visibility Clothing
- Gear Lever Covers
- Floatation Suits
- Dashboards
- DAMMING Film
- Pond Foil
- Pool Covers
- Road Fortification
- Inflatable Boats
- Camping
- Yarns
- Banners
- Windbreak Nets
- Mattress Covers
- Wall Coverings
- Garments
- Chemical Protection
- Yarns
- Medical Gowns
- Oil Dams
- Filters
- Halls
- Silos
A PERMANENT CONCERN FOR QUALITY

“Quality is not confined to those departments which come into direct contact with the customer”

At Sioen Industries the customer and customer satisfaction take centre stage. This calls for an approach in which the quality of the finished products and services provided must meet the customer’s highest demands.

We therefore do not confine ourselves to just checking the end product, but implement an efficient quality policy to ensure appropriate monitoring throughout the entire production and sales process.

We demand a constant level of quality from all our suppliers and employ the necessary specialists to carry out permanent monitoring on the shop floor and random sample checks. Here, we make use of the latest communication and IT applications.

On all levels

Quality means satisfying the customer’s expectations in terms of products and delivered services.

Quality is not confined to those departments which come into direct contact with the customer. It is a key principle for all employees of the Sioen Industries group as they perform their work, whether in production, sales, accounting, customer service, R&D or purchasing. Every employee contributes to quality in their own field.
Innovation

‘Protection through Innovation’ is Sioen’s corporate slogan. Innovation keeps us ahead of the market with new products, processes and applications based on our core expertise.

Research & Development

Sioen has a concerted focus on knowledge, innovation and creativity: on new materials, new production processes, new services, new niches, new markets and new requirements. Knowledge is our fundamental principle and our real capital.

Top flight test facilities

Sioen’s R&D centres and labs are fully equipped with the latest testing equipment. Testing for tear and breaking strength, flame retardancy, thermal radiation, chemical resistance, bullet and knife impact, water column, colour fastness, ageing and so on are all performed in-house. Sioen can stand comparison with the world’s top research institutes in this area.
Keeping ahead of the market requires ongoing investment in research and development. At the group’s R&D centre at its headquarters in Ardoie, professionals work on product development and innovation and on process improvement with state-of-the-art facilities. More than 50 people are involved in R&D and testing. Innovation is a state of mind in all departments of the group: production, sales, marketing, R&D, quality, management,...

As well as its central R&D unit, Sioen has other research teams at major production sites, conducting specific research and product testing in more restricted areas. Work done at the production sites is coordinated and managed from the central R&D unit in Ardoie.

Sioen’s R&D team cooperates closely with national and international research institutions, engineering bureaus, universities and scientific institutes in Belgium and abroad.
The coating division is part of a solid group

Profile

Sioen Industries is a diversified stock quoted group with an extensive portfolio of products and activities: spinning, weaving and coating, manufacturing of clothing, production of fine chemicals and processing of technical textiles. Vertical and horizontal integration, diversification and permanent growth have driven us since 1960.

Our business

Sioen Industries is:

• The world leader in coated technical textiles
• Strong specialisation in high end technical apparel
• Specialist in fine chemicals
• Global player in the processing of technical textiles
TEAM : AT YOUR SERVICE