How can we help you?

The application of our technology is only limited by what you want to do.
Who we are...

Our manufacturing processes begin with the sourcing of widely-available polymers, including polypropylene, polyethylene, polyester and nylon together with specialty additives and colours.

Our proprietary technologies then produce a range of yarns, fabrics and coated composite high performance materials, tailored to our customers’ requirements.

Who we are...

15 manufacturing locations world-wide

What we do...

we are closer to you in more markets across the world to shorten lead times

Food safety and water conservation in agriculture

Food safety and water conservation in agriculture

Demand for clean air and water in buildings and automotive sectors

Demand for clean air and water in buildings and automotive sectors

Urbanisation and the need for more and better infrastructure

Urbanisation and the need for more and better infrastructure

Demand for materials that lower carbon footprint and benefits the environment

Demand for materials that lower carbon footprint and benefits the environment

Faster, safer construction and improved durability

Faster, safer construction and improved durability

Increased quality control in performance and safety

Increased quality control in performance and safety

Demand for infrastructure and quality of life improvements in areas of economic development

Demand for infrastructure and quality of life improvements in areas of economic development

Protection of food supplies in transportation

Protection of food supplies in transportation

Growth in renewable energy sector

Growth in renewable energy sector

Environmental requirements for flooring solutions

Environmental requirements for flooring solutions

Increased application of and improvements in synthetic turf

Increased application of and improvements in synthetic turf

15 manufacturing locations world-wide

Reinvestment in R&D > 1%

Group selling

> 60 countries

> 2,000 employees

Plc. quoted on London Stock Exchange

Turnover approx. € 543 (2015)

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> 2,000 employees
Our premium brands

Colback®

Colback is the overall brand name for all technical fabrics used in transportation, interior carpeting, resilient flooring and decorative solutions. The brand stands for world-leading technology and maximum product performance.

Produced by a unique, proprietary, 2-step manufacturing process involving the spinning of bi-component yarns and a special laydown and bonding technique to form the finished fabric, its unique design delivers properties that make Colback the preferred choice for premium products across multiple industries – the number one for nonwovens.

Enka® solutions

Erosion Control
Drainage
Soil reinforcement
Consolidation & Separation

Enka Solutions is a brand of high performance geosynthetics which offers multiple solutions for civil engineering projects. Thanks to its extensive portfolio of readily available products, Enka Solutions efficiently answers challenges in the fields of erosion control, drainage, soil reinforcement, consolidation and more.

Concrete floors
Pattern imprinted concrete
Precast concrete
Tunneling

Adfil stands for over three decades of experience in the development and application of synthetic fiber concrete reinforcement. Serving the construction industry in over 60 countries, Adfil’s high performance fibres can be used in a wide range of applications: concrete floors, pattern imprinted concrete, precast concrete products and tunneling.

Mehgies is a coated technical textiles brand, customizable for countless innovative applications. These flexible membranes are transformable into stadium roofs, truck tarps, industrial covers, solar protectors, tents, pools, boats and print billboards. Sub-brands of Mehgies are Valmex®, Polymar®, Plastel® and Airtex®. Mehgies is a combination of traditional heritage and uncomplicated, reliable expertise for technical coated textiles.

Architecture
Indoor applications
Special industrial solutions

Bonar® Agro

BonarAgro is a leading producer and supplier of innovative woven screens and ground covers which serve the agriculture and horticulture industries. BonarAgro provides solutions for a wide range of applications such as greenhouse climate control and energy saving, water distribution, biological weed control and mushroom growing.

Carpet backing yarns

Bonar Yarns is a leading producer and supplier of high quality polypropylene backing yarns. Founded on over a century of expertise and experience, Bonar Yarns is one of the oldest and most successful independent yarn manufacturers for woven carpet yarns. These innovative, ground breaking fibres have transformed the industry.

Xeroflor® is synonymous with innovative and extensive, pre-vegetated green roof technologies. For more than 40 years Xeroflor systems have displayed proven performance on thousands of green roof and urban greening projects worldwide creating a sustainable built environment.

Modular Carpet
Broadloom Carpet
Molded Car Carpets
Car Mats
Dust Control Mats
Resilient Applications
Decorative Applications

BonarBuilt®

BonarBuilt specializes in performance products for the building envelope by innovating with nonwoven, woven and fiber technologies. As a leading manufacturer of carriers and reinforcements for waterproofing membranes and vapor barriers and 3D mats for ventilating, draining moisture and controlling sound, BonarBuilt products contribute to energy saving, healthier buildings worldwide.

Carriers & reinforcements
Drainage & ventilation
Sound control

BonarPure produces high performance nonwoven fabrics and 3D spacer systems primarily used in filtration and separation markets including cabin air filtration, home air purifiers, industrial air filters, liquid filters, odor control and (waste) water treatment solutions. BonarPure’s products are backed by extensive testing through three RD&I (Research Development & Innovation) Centers.

Industrial air filters
Odour control
Water treatment solutions

BonarAgro

Greenhouse energy
Landscaping
Mushroom growing

BonarBuilt

Carriers & reinforcements
Drainage & ventilation
Sound control

BonarPure

Industrial air filters
Odour control
Water treatment solutions

Xeroflor

Green Roof Systems
Infrastructure
Urban Greenery

Our premium brands
Colback®
Carrying your innovation
Colback – Interiors & Transportation

Broadloom Carpet
Colback offers outstanding and consistent stability, in manufacturing processes as well as in the broadloom carpet. Colback primary backings are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and either a polypropylene or a polyamide skin. The uniform filament distribution and homogeneous bonding provide high strength and stability, allowing excellent pattern definition in tufting and printing processes.

Colback keeps geographic patterns absolutely straight, with no bowing, making a correction roller unnecessary. Colback® products are easy to process, with a low chance of tearing, have non-fraying characteristics and excellent mending properties.

Modular Carpet
Colback offers outstanding and consistent stability, in manufacturing processes as well as in the carpet tile. Colback primary backings are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and either a polypropylene or a polyamide skin. The uniform filament distribution and homogeneous bonding provide high strength and stability, allowing excellent pattern definition in tufting and printing processes.

Colback products have high affinity to pre-coat systems and are easy to process, with a low chance of tearing. Colback’s non-fraying characteristics provide a clean cut and minimum joint visibility.

Dust Control Mats
Colback primary backings for dust control mats and runners are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and either a polypropylene or a polyamide skin. The high thermal stability of Colback allows easy and efficient backing with PVC and rubber as well as stability during frequent cleaning of the mat.

Colback’s open, homogeneously bonded structure allows good penetration of pre-coatings while preventing latex bleed. The excellent pile anchorage and high tear strength allow to apply low weight cost effective Colback primary backings.

Artificial Turf
Colback® is often used in combination with other substrates as a supportive layer to increase pattern stability and surface consistency. To ensure increased stability, a range a light weight Colback nonwovens were developed specifically for synthetic turf applications. Greatness truly lies in the small details for artificial turf, which is why any high quality synthetic turf backing systems have a touch of Colback to improve the isotropic performance of the woven polypropylene backing systems. With maximum 70 g/m² you can ensure that your customer benefits from the best in the industry.

Our expertise in tufting and understanding of tufting dynamics has led to the conclusion that quality sports pitches and demanding landscaping requires Colback to create absolutely stable artificial turf backings.
The unique spun-laid production process of Colback® allows many different designs to be made. Colback® decorative products are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and a polyamide skin. All Colback® products show a circular filament pattern. A wide range of products differing in extent of yarn opening or density as well as product types combining colored or structured yarns and products containing inlays is available. Colback® products are perfectly dyeable.

The characteristics of Colback® make the product perfectly suitable to be used as a carrier in the Coated Flooring/Resilient industry, providing super strength for better processing; as well as excellent resistance to ripping and tearing during installation and usage. In vinyl flooring and other coated flooring systems glass sheet is becoming more and more the standard reinforcement, offering dimensional stability and a loose-lay installation. Colback® adds new properties to the final product characteristics, offering you the possibility to create a higher quality level in the coated flooring market.

Colback® ensures optimal processing efficiency and stability, whilst securing a strong tuft bind and a high abrasion resistance of the finished car mat. The bi-component filament web structure of Colback® provides a predictable processing behavior and high production efficiency. It enables stable processing, optimal tuft bind, excellent adhesion to coating systems and often delivers performance at lower weight than competitive carrier materials. The primary backing for car mats plays a vital role in delivering the required properties of the high demanding OEM. Colback® enables its customers to meet those demands.

When a molded car carpet is produced by drawing in complex geometries at minimal molding cycles and still needs to have excellent stability under severe climate conditions, there is no better product than Colback®. The Colback® range for molding applications includes primary as well as secondary backings. Colback® backings are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and either a polypropylene or a polyamide skin. Colback® offers isotropic characteristics, high tear strength and uniform elongation, allowing predictable and efficient molding of complex shapes.

The unique spun-laid production process of Colback® allows many different designs to be made. Colback® decorative products are thermally bonded spunlaid nonwovens, made from bi-component filaments with a polyester core and a polyamide skin. A wide range of products differing in extent of yarn opening or density as well as product types combining colored or structured yarns and products containing inlays is available. Colback® products are perfectly dyeable.
Our premium Colback products

Colback® ProFloor

Colback® ProFloor’s stable filament network is based on a new polymer composition. A polyester core, as in all Colback products, which delivers the excellent thermal and dimensional stability, covered with a polypropylene skin.

This unique bi-component skin core composition improves processing behavior as well as performance of the finished products. With Colback® ProFloor the toughest carpet industry standards can be met easily with a perfect floor as the result. Colback® ProFloor is the Ultimate Backbone for Premium Carpets.

Colback® ProMotive

Colback® ProMotive provides premium performance for high quality automobile applications.

Colback® ProMotive is a thermally bonded spunlaid nonwoven, made from bicomponent filaments with a polyester core and a polypropylene skin. It is especially designed to meet high demands at low molding temperatures and to show excellent dimensional stability after molding. Extreme complex and deep molded car carpets can be produced at highest quality standards. Low molding temperatures enable short molding cycle times. The high dimensional stability of the molded carpet ensures tight and close fitting of the carpet in the car interior.

Colback® Green

Colback® Green is the first 100% post-consumer recycled carpet backing, which provides premium performance for high demanding carpet applications. All Colback® Green nonwovens are made of 100% sustainable raw materials.

Building on the success of the first generation of Colback with recycled PET content, Colback® Green contains post-consumer recycled polyester and polyamide-6 generated form carpet waste. Cutting-edge polymer engineering added to intensive in-house R&D form the foundations of Colback® Green primary backings, which bring the same high performance as virgin content variants.
Colback heritage

1970
Colbond starts first Colback line (F5) in Arnhem which produced spunlaid yarns for nonwovens.

1976
The start of production takes place on second fleece machine (F6) in Arnhem.

1980
Strong expansion of the entire organisation as Colbond starts sales & marketing activities in Asia.

1988
Start of production takes place in US, with first Colback line in Asheville.

1991
Start of production of Colback on third line in Arnhem.

1993
Colbond achieves ISO 9001:2000 certification. The same year there is a fusion of the nonwovens and industrial departments, renaming the company to Akzo Nobel Nonwovens.

1997-99
Continued production in Asheville, USA with investment in a second line. The company has another name change to Acordis.

2003-04
Colbond separates from Acordis and becomes independent company. This changes the company name to Colbond BV. The new structure focuses on five market segments: flooring, automotive, building & industry, construction industry and civil engineering. This was then split into two distinct divisions: Nonwovens and Geosynthetics.

2006
Acquisition of Colbond by Low & Bonar PLC.

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2015
Start of Colback production in Changzhou, China. Large L&B Group investment and increased global capacity opportunities.

2020
50 year anniversary of Colback.

Colback originated from Cologne (Col) + back, as it was developed specifically as a primary backing product for the nonwovens market.