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Abrasive backings

Discover the greatest choice of top-quality abrasive backings : wet or dry paper and composite bases. Learn all about The A Solution² services and expertise tailored to the coated abrasive industry and explore The Be Solution for differentiated sandpapers.

The A Solution², your abrasive backing solution



A set of commitment and services designed for the abrasive industry
Strong global abrasive backing expertise
Wide range of backings made of paper and composite
Customization and marketing differentiation

For more than 70 years, Arches abrasive production center has innovated and advanced the capabilities of fiber-based materials delivering to the coated abrasive producers premium quality and high added-value paper backings. Our experience led us to build The A Solution² in which we gathered over the time a set of commitments, services and expert solutions with a complete and ever-changing backing range, including paper and now composite backings.

COMMITMENT to excellence for sustainable and innovative abrasive fiber-based solutions

- **Excellence:** high-quality, consistent and reliable services and products.
- **Sustainability:** trustworthy partner, pursuing concrete commitment in favour of abrasive sustainability and with ambitious environmental and brand protection policies. Since January 2020, we are part of the SEAM Program (Sustainable European Abrasive Manufacturer).
- **Innovation:** a progress-oriented philosophy striving for efficiency, innovative backings for cost-efficient transformations and market differentiation.

SERVICE: Easy before, during and after sales

- **Sales support** focused on abrasive business requirement and understanding
- **Professional Customer Technical Support**, with deep knowledge in backings, combined with their overall expertise in abrasives, to provide customized support at customers' facilities (Trial assistance, Backing yield optimization, developments, troubleshooting analysis)

- **Customer Portal**
- Always more **flexibility, security, capacity** with the retrofit of paper machine 6 at Arches, France

EXPERTISE: Support & Innovation on backings or finished abrasive products

- **Technology:** Relying on our two technology and innovation centers, we can carry out various tests and analysis and measure product features to identify the problem roots or confirm the accuracy of some of your customer statements
- **Technical auditing:** To get more than just a piece of good advice!
- **Technical training:** Let's bring value to the core to create growth and success together. We have designed some training modules to share with your teams

THE BROADEST STANDARD ABRASIVE PAPER RANGE AVAILABLE ON THE MARKET

- **Broadened and unique:** At Ahlstrom-Munksjö, we are one of the most attractive suppliers providing abrasive backings for the production of the most abrasive shapes in DIY or industrial channels. We are offering range made of paper and composite backings.
- **Standardized & customizable:** We have a standard range to meet your needs. Thanks to Be Solution, we are also developing tailor-made products. Be different with The Be Solution!

The Be Solution, to Be different



Supports your abrasive launch, brand or special events
 Increases value of your coated abrasive through marketing features
 Boosts innovation on the market
 Protects your brand with unique features and technical differentiation

Are you looking to get customized and innovative coated abrasives ? Then The Be Solution is an offer designed for you. With its four pillars (Creative Design, Security Devices, Colors and Imagine Fibers) you will find many ways to create original abrasive sandpapers.

Differentiation is the watchword for The Be Solution: Four components Creative Design, Security Devices, Colours and Imagine Fiber can be applied to **The A Solution²** paper backing range in order to create innovative sandpapers that will reflect our customer's image. What for ?

- Make the most of colors and printings to give a boost to your abrasive launch, your brand or a special event
- Be different and help your customers to make the best choice and use of your sandpaper.
- Increase the value your abrasive papers through marketing and merchandising operations in the DIY market.
- Set up your own R & D projects through our dedicated centers to create innovative sandpapers and lead the market.

- Gain a foothold in fashion-oriented markets such as cosmetics with ready-to-use original abrasive paper bases .
- Protect your brand and avoid losing sales due to counterfeiting with a technical-oriented product
- Give fine grit abrasives a better look

Ahlstrom-Munksjö unveils new secret fibers for resinoid bonded cutting off and grinding wheels

Are you a **printer** looking for black heat-resistant paper solutions with high surface quality ?

A **fiber-glass mesh producer** looking for black stay-flat protection ?

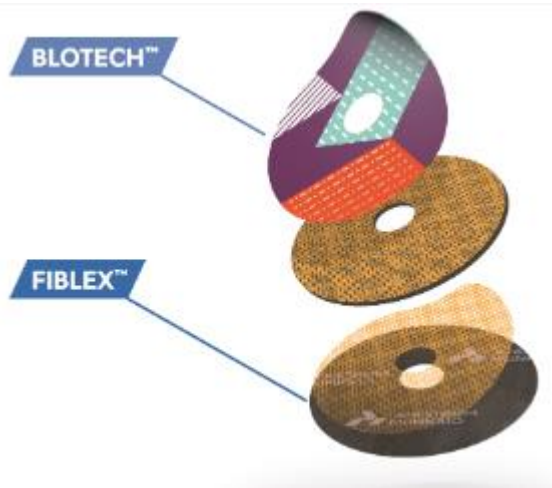
Or a **resinoid bonded cutting off and grinding wheels producers** wishing to secure the supply-chain and willing to work on innovation as colours or security devices ?

Then we invite you to discover our new fiber-based solutions designed for resinoid bonded cutting off and grinding wheels.

New backings for bonded abrasives with the same quality level as for our backings for coated abrasives

«Ahlstrom-Munksjö quality applied to bonded abrasives: this is what manufacturers of cutting and grinding discs told us they hoped for in 2015. Always ready to listen to what the market is telling us, we decided to take advantage of synergies between our different skills and the capacities of our Machine 6 to give them what they wanted!», says Estelle Seibert, abrasive marketing manager.

And so Ahlstrom-Munksjö is now able to offer two types of backings that make the most of the unlimited potential offered by fibers.



FIBLEX™- backings to layer onto fiberglass mesh

Layered onto the fiberglass mesh that will reinforce cutting disks, these backings help manufacturers to avoid clogging up their machines.

Black non-woven, paper and crepe paper prototypes are already available in grammages of 25 - 30 and 39 gsm respectively. Each type of backing offers different advantages according to the type of disc to be produced. Other grammages are possible on request.

The paper backing is «both flexible and water-repellent so that the abrasive mixture does not go through the paper and clog up the automatic machinery. Its surface quality, its low thickness, its stability and the good resistance of the black colour to heat also ensure that discs of all sizes have an excellent finish after curing.»

Even more stable, the non-woven backing is characterized by «increased flexibility and malleability that enable it to return to a perfectly flat state».

The crepe paper backing offers a compromise between the two other solutions, offering «optimum flexibility, elongation and barrier qualities».

BLOTECH™- technical paper to print heat-resistant abrasive labels

These paper backings are designed for the technical labels containing all the regulatory markings, also known as «blotters». «If stability of colour and surface are key to perfect rendering of the printing after curing and heat-induced cross-linking of the abrasive coating, the formulation of the backing also has to be suited to the inks used and the printing process.

To achieve that, we can make all the necessary adjustments with each printer». The spectrum of possibilities remains open: «imagining colours other than black, yellow for example, adding security fibers for traceability purposes, etc. It is even possible to create crepe paper labels for cup-shaped discs.»

Don't hesitate to ask us for samples of the existing prototypes and to let us know your needs in terms of bonded abrasives: together we can create innovative, high-performance and differentiating solutions!

Multipurpose paper backings (Green Line)



Paper backings designed for abrasive application
Consistent quality recognized by the market
Wide range, with options to bring value to your products
A DIY and PRO Line

Our Green Line gathers abrasive paper backings for multipurpose applications, let It be for do-it-yourself (DIY) or professional channels (PRO).

Green Line Papers fit the needs of both the DIY use with a competitive alternative to low-end backings (DIY) as well as industrial applications with papers having high levels of technicity and features (PRO). Thanks to their consistent quality and tailored abrasive design, Green Line products are clearly an asset to set an additional value on the shelf and to satisfy the high demand of the professionals users.

- Paper backings designed for abrasive with regular and homogeneous sheet formation
- High-efficiency thanks to consistent and reliable quality recognized by the market
- A set of products with various cohesion and barrier levels
- For coarse to very fine grits
- Solutions for any make-coat systems
- Various dimensional stability and tear resistance options
- Different weight, smoothness, and colors available as standards
- Compatible with [The Be Solution](#) offer

Conductive paper backings (Brown Line)



Improves abrasive belt lifetime, cleanliness of the sanded piece and workshop
Ready-to-use antistatic backings
High antistatic durability and performance
Adapted surfaces for coarse to the finest grit sizes

Our Brown Line gathers low resistivity antistatic abrasive paper backings for industrial wood or any other insulator processing industries.

Brown Line Papers are low resistivity antistatic paper backings designed for the sanding of wood or any other insulators. They reduce sawdust, increase the cleanliness of the sanded piece and reduce scratches, improve the lifetime of the abrasive and provide safe and clean workshop.

- Various resistivity solutions
- Durability thanks to an antistatic treatment applied directly in the core of the paper or as a surface in a sandwich between the make coat and the backing
- No additional conducting agent in the binder is needed
- Solutions for fine grits (STAT B, BLACK B)
- High and consistent internal bond
- Universal reinforced barrier (B) for limited risk of resin penetration and preserved flexibility
- Various dimensional stability and tear resistance options
- Different weight, smoothness, and colors fitting industrial sanding requirements
- Compatible with The Be Solution offer

Latex paper backings (Blue Line)



Durability thanks to excellent cohesion and tear resistance
Various level of flexibility
Stability and anticurl solutions for efficient conversion and sanding
Water-resistant papers for dry or wet sanding conditions

Our Blue Line gathers pre-impregnated and coated latex papers for wet (BlueWET) or dry (BlueDRY) applications.

From the early steps to super-finishing, the Blue Line includes latex saturated and coated abrasive papers. They can be customized with various options to meet the best combination of flexibility, durability (tear resistance & cohesion), stability and water-resistance requirements for high performance during wet or dry sanding with sheets, discs, narrow belts, and other niche applications.

- One of the most extensive ranges of consistent latex-impregnated solutions to meet all market needs and guarantee high-quality abrasive
- Increased lifetime thanks to reduced delamination (very high cohesion) and good grit adhesion
- Various flexibility and tear resistance solutions for DRY applications
- Various wet strength and dimensional stability solutions for WET applications
- Premium anticurl and tear resistance options
- Backside antislip treatment options, to prevent process or sanding slipping issues
- Solutions for any make-coat systems
- Surfaces adapted to all grit sizes, including the finest ones
- A large choice of standard color and various surfaces, basis weights and smoothness
- Compatible with [The Be Solution](#) offer

Saturating abrasive paper backings (Yellow Line)



Different structures and porosity level to control your impregnation process
Different level of wet strength to match the final market requirements
Adapted surface from coarse to fine grits

Our Yellow Line gathers wet-resistant papers requiring an additional impregnation step before the maker transformation before becoming fully waterproof.

The Yellow Line is composed by papers requiring an additional impregnation step before the maker transformation. Once impregnated the Yellow Line papers are a competitive alternative to latex papers and are performant backings for manual sanding in wet or dry conditions.

- Specifically designed for abrasive application
- Various porosity structure to adjust impregnation speed and control the quantity of absorption depending on the different resin and oil types
- Quality consistency for a controlled and optimized consumption
- Emphasized wet strength resistance available as an option
- Good internal bond of the paper
- Regular and homogeneous sheet formation

- Smooth surface for fine grit applications
- Colored paper with high consistency and better aspect after impregnation, compared to kraft papers
- Compatible with [The Be Solution](#) offer

Extra **STRONG** abrasive composite backings (RE-VOLUTION Line)



Ready-to-use alternative to cloth and combination backings
 Mechanical performances of cloth backings in wet or dry conditions
 Backing surfaces adapted the finest grit sizes
 Formaldehyde-free abrasive backing solution

Our RE-VOLUTION Line with the extra resistant composite backings **TEX-STYLE™** bridges the gap between abrasive paper and cloth backings and opens new development fields to the coated abrasive industry.

With high tear resistance and superior internal bond, **TEX-STYLE™** composite backings are alternative to conventional abrasive textile backings. They are ready-to-use without long and hazardous chemical finishing steps. It opens new fields of development for segmented, wide or narrow belts, in wet or dry conditions, with unlimited customization possibilities.

- **Extra strong and ultra-resistant:** Outstanding mechanical performances in wet or dry conditions
- **Ready-to-use formaldehyde-free fiber-based solution:** easy and sustainable sourcing with no additional chemical treatment and capital immobilization
- **A waterproof version** exists for wet and cooling lubricant conditions with unmatched tear resistance and strength, and dimensional stability
- Reduced product weight compared to treated cloth providing **easy handling and logistic savings**
- **Improved sanding shoe lifetime**
- Smoothness unachieved with conventional treated cloth or combination enabling to use **finer grits**
- Compatible with **overlap joints**
- A wide range of stiffness **from calibration to finishing**
- To combine with [The Be Solution](#) offer and its **unlimited choice in color** for an innovative market approach

Learn more



Discover abrasive backings
Find tips
Get a market vision
Be aware of innovations

- Learn more about papers to produce top quality abrasive.
- Find tips to get the most of your abrasive backings.
- Stay at the edge following market experts view on applications and trends.
- Get inspired by innovative solutions to improve sanding efficiency.

WHAT OTHER TOPICS SHALL WE COVER IN THE COMING COFFEE BREAK SESSIONS?

Help our experts to make the coffee you like the best !

Give us your suggestions: we'll take them into account when **planning our next webinars**.



GET THE MOST OF YOUR ABRASIVE BACKINGS

Experts Coffee Break Sessions

get tips with our Abrasive Experts during a Free Coffee Break!



MARKET

Leather finishing & correcting :

All you need to know to create a fine grain solution.



Woodworking & parquet market :

How to make the difference ?



The sanding robots :

High tech solutions for the future



Sanding veneer :

The standards of excellence for wood veneers



PAPER

Storing paper:

why does it require care?



Rolls:

from unloading to use, all our advice.



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