Adhesive Solutions for the Tissue Converting Industry
The Henkel Group
When one considers the way the Henkel Group has developed, from its establishment in 1876 to the present day, the enduring constants are entrepreneurial spirit, vision and competence. Founded in Germany by Fritz Henkel, the Company is now represented in more than 75 countries. The Henkel Group operates in three strategic business areas: Laundry & Home Care, Cosmetics/Toiletries, and Adhesives, Sealants and Surface Treatments.

The Henkel Value Package for the tissue converting industry
Henkel has been a competent and reliable partner to the tissue converting industry for many years. With our broad portfolio of adhesives we offer efficient solutions for a variety of applications in the tissue converting industry.

Our approach is to provide not only the right product, but also integrated solutions to create more value for our customers. With the Henkel Value Package we have structured our solution portfolio and further extended it for you. Our goal is to provide you with a comprehensive and optimally matched program of products and services. Because integrated value-adding results can only be achieved by closely interlinking the four elements: product, process, service, and design.
Innovative products and trusted brands ensure quality and efficiency
Henkel offers a complete range of adhesives to the tissue converting industry. Our products have an excellent reputation worldwide for superior quality. All our products have to meet highest demands in occupational health and safety as well as environmental aspects.

Proven solutions to optimize processes and ensure consistent quality
The goal of our intensive consulting services is not only the choice of the right adhesive, but also the optimization of the complete bonding process regarding quality and productivity. We have a dedicated “Engineered Solutions” team focusing specifically on equipment solutions like Central Adhesive Supply Systems (CASS), application equipment and monitoring systems. Another specialized “Process Solutions” team is responsible for process improvements using the proven methodology of quality management systems.

Individual service and consultation delivered by application specialists
Our customers in the tissue converting industry receive a complete and individual service package which supports our adhesives. Our technical customer service analyzes processing and substrate parameters to select and provide the optimum product for your bonding requirements. We perform analysis, tests, simulations and carry out pre-production trials hand in hand with you. The range of services includes on-site support like start-up assistance, training, quality control as well as analysis at one of our global Technical Service Centres.

Design and engineer new applications, products and systems with experts
When you want to introduce something new in your production site, you can count on our technical experts. Right from the beginning we share our experience when you decide to redefine your processes or when new machines are to be installed. We support you in the implementation of new substrates and materials through our application specialists and by tests at our Technical Service Centres.
Henkel Adhesives and the Tissue Converting Industry

What makes a piece of paper into a highly functional tissue product? A few grams of adhesive. Henkel’s special adhesives suit the most varied applications in the tissue converting industry. Whatever the application is we provide you with the know-how for optimal adhesion in all production environments.

Ongoing communication with our partners in the industry enables us to do this. We conduct research in cooperation with machine manufacturers to ensure that our adhesives bond at the right moment in the right place, and to ascertain the best adhesive viscosity and tack, as well as open and setting time. Along with machine producers, we develop binding specifications and recommendations that make it easier for you to select the correct adhesive.

Innovations on the part of our business partners thus flow directly into our own research. Facilitating individual solutions to problems, in order to meet all of your needs.
Henkel’s adhesives for the tissue converting industry demonstrate superior performance in every one of these application fields:

| Core Winding | Pick-up | Laminating | Tail Sealing |

We offer an adhesive range adapted to each of your application requirements and technical assistance that will contribute to increases in both your productivity and end-product performance. We have improved our know-how even further to meet the needs of the new high-performance machines. This means that you will certainly be able to profit from the enormous capacity of the fastest application equipment.

Next to these applications, our range also contains adhesives for packaging of finished goods and even for applications in the paper mill. Additionally Henkel also offers the FiberPlus range of paper softening additives.

It is our expertise in applications, our extended portfolio and our ability to offer all adhesive technologies which makes Henkel your preferred partner in the tissue converting industry.
Core Winding – From rigid to soft

Henkel offers the right solution to satisfy any type of request. Starting from dextrin-based products to polyvinylacetate-based adhesives you can work with any kind of paper/cardboard under different machine conditions, always achieving the desired final quality of the core, from rigid to soft.

We have improved these adhesives still further to meet the needs of the new high-speed machines. This means that you will certainly be able to profit from the capacity of the fastest application equipment, optimizing your production capacity.

Pick-up – Getting the tack right

Faced with all the various kinds of machines existing on the market, the different tack and structure of Henkel adhesives enable you to profit from any kind of application system, always getting the best final release. You will be sure to find the optimal solution among Henkel’s broad range to suit the required final quality of the roll. The spectrum of options includes:

- Short/medium/long open time
- Cold/hot system
- Various chemical bases
- Economical consumption

Thanks to the special chemical nature of our adhesives you will always get the best machinability properties in combination with very clean processing, not only in the bonding station but even and especially in the cutting station, reducing the need for cleaning and avoiding damage to the cutters. To meet machine producers’ and market needs, the Henkel range includes customized products and ready-to-use solutions.
Laminating – Getting the “softness” right

Henkel laminating adhesives are adapted to the customers’ specifications in terms of high setting speed, excellent machinability and avoiding any type of dirty or sticky effect on the roll. The use of Henkel adhesives helps to achieve a very good price/performance ratio. Thanks to many years of experience, Henkel is able to supply the market with suitable adhesives for any kind of customer request: soft, rigid, medium roll, the right bonding for 2 – 4 ply toilet paper and 2 – 3 ply kitchen paper and more.

We offer a complete range of products for this application, starting from the customized adhesives to ready-to-use versions, including adhesives for the new generation of paper, TAD. No matter what combination of papers is to be used, the Henkel range will provide you with just the right adhesive, with an especially high adhesion. Furthermore, even at high machine speeds our adhesives process cleanly.

Innovative solutions for laminating include water soluble hotmelt for high-speed lamination and powdered adhesives bringing advantages in productivity, cleanliness and logistics.

Tail Sealing – How to achieve the best quality

This application could be considered as the most important, as it gives the real image of quality of the finished roll. For this reason, Henkel has developed a complete product range following the technological improvements of the application systems and the requirements of the market.

Our adhesives offer very high performance when used on fountain, bar, gun and nozzle systems, always assuring a limited penetration into the sheets and an excellent release. They make it possible to choose the right wet tack for the paper, in order to avoid dirt during cutting and to provide superior release. The changing types of paper and products in use keep our Research & Development ever ready to develop a new tailor-made adhesive following any new trend or improvement.

Application Fields

Your Benefits:

- Fast setting time
- Clean machine running
- FDA / BGvV approvals
- Good adhesion
- Economical consumption

Your Benefits:

- Suitable wet tack
- Good release
- Low penetration
- Best quality impression for end user
Adhesin® FiberPlus – Because softer feels better.

With this new cellulose fiber treatment, the process from the paper mill to the converting line gets innovated in an extraordinary way. FiberPlus is a real softener and means a real point of difference and convenience for tissue production. Adhesin® FiberPlus products can be easily applied with roller or spray application systems for production of toilet paper, handkerchiefs, napkins as well as facial tissues. FiberPlus products are dermatologically tested, 100% water dispersible and completely biodegradable.

Adhesin® FiberPlus Basic is our standard FiberPlus product with a highly smooth touch. It reaches its maximum degree of efficiency within 15 days after application.

Adhesin® FiberPlus Active increases softness, uniformity, and gives an immediate sense of smoothness and silkiness. It interacts directly with the cellulose fiber and shows great workability. Selected fragrances round out the superior performance.

Adhesin® FiberPlus Care is a group of products that deliver skin protection ingredients. In this special FiberPlus product, we supply vitamin E elements to protect the skin from free radicals, as well as aloe vera for relaxing and balancing effects. Avocado oil helps to regulate the moisture and lipid balance of the skin.
Characteristics of each FiberPlus Product

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<th>FiberPlus Basic</th>
<th>FiberPlus Ultra</th>
<th>FiberPlus Ultra Aloe Vera</th>
<th>FiberPlus Active Avocado</th>
<th>FiberPlus Cashmere</th>
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Individualization through Fragrance

People associate fragrances with particular products, moods, memories and environments. To create a special feeling about a product, the elements of softness and fragrance are a significant part of its success.
Packaging – A discipline for specialists

Henkel covers all adhesive needs in the tissue converting industry. This includes packaging of the final product. With an extensive range of waterbased and hotmelt adhesives Henkel can ensure the safe packaging of your end-product for delivery to your customer.

Your Benefits:
✓ Comprehensive application range
✓ Excellent bond strength
✓ Fast setting
✓ Clean machine running

Our Adhesives for Tissue Converting

Available in these bulk pack sizes:
- 30 kg pails
- 1,000 kg containers
- 25 kg sacks
- Tank trucks
Your Benefits in Working with Henkel:

- Recognized expertise in adhesives & additives for the entire tissue converting process
- Experts in technical service worldwide
- Comprehensive product range suited to your needs
- Globally orientated sales team

Contact us at any time

Focusing on customer needs is what drives our business. Henkel is a supplier of complete systems solutions. When it comes to developing innovative products and more efficient manufacturing processes we are your partner of choice for quality tissues.
At Henkel, sustainability is always combined with technological or economic advantages for industry or consumers.

Henkel has classified its expectations for its own research and development departments into a total of 5 core areas. Every development project must promise a significant leap forwards in at least one of these focal areas:

Some examples of Henkel's attention to sustainability in product development:

**Powdered adhesives:**
- CO₂ reduction through reduction of transport mileage
- Applies to laminating

**Water-soluble hotmelts:**
- Water-dispersible
- 100% recycling of paper
- Applies to laminating, packaging and paper mill