

Contact:

BASF Performance Materials
Construction

www.polyurethanes.bASF.com



We would like to thank our customers
for their cooperation.

Constructing Tomorrow

High-quality and ultra-flexible: Elastan® adhesive solutions for all sandwich panels.

Everything from one source: BASF offers a complete portfolio of adhesives for construction elements.

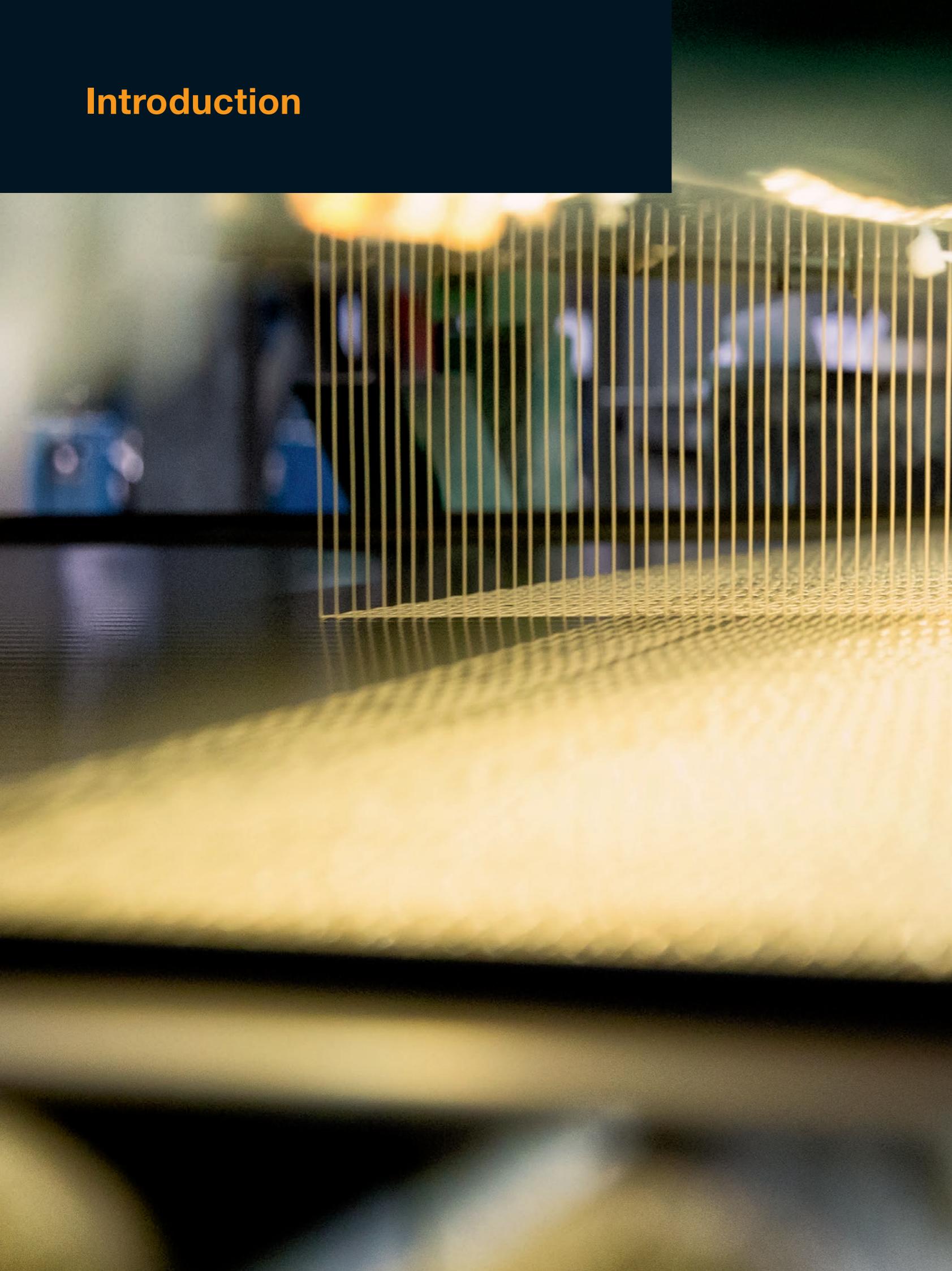


We create chemistry



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Introduction



The best solutions result from dialogue and cooperation. That is why BASF is always close to the markets and customers worldwide, creating and designing products which exactly meet their individual requirements. In this well-proven way, we have also developed – and continue to improve – our portfolio of adhesives applicable for all types of sandwich panels.

Complete product portfolio offered by a single source provider

Our complete portfolio of adhesives is ideally suited for a wide range of different core and facing materials such as mineral wool, glass wool, EPS (expanded polystyrol) and XPS (extruded polystyrol) as well as metal and fiberglass-reinforced polyester. All other core materials can be tailored to specific requirements.

Optimized, efficient production technologies for best product quality

BASF adhesive systems are useable with all common process technologies and can be adapted specifically to our customers' needs. We therefore offer highly advanced products and a maximum level of flexibility for the customer to choose the most efficient material combination running on the most suitable technology.

Advantages

How our customers benefit

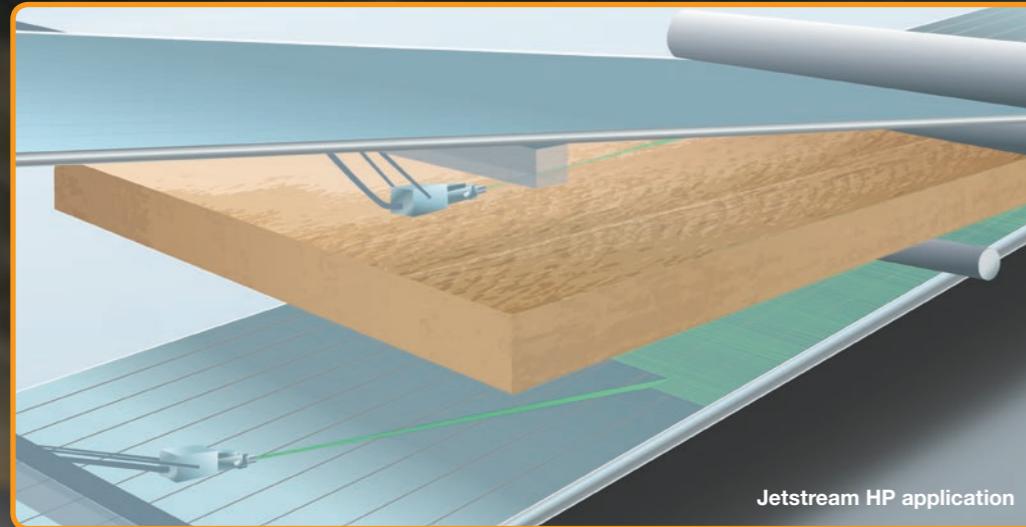
The new BASF adhesive systems for construction elements

- are globally available.
- are offered as filled and unfilled 2-component- or 1-component-systems
- cover all common methods of application: spraying, rake, wiping, high pressure/low pressure and manual
- are adjusted for continuous and discontinuous production.
- have been tested and qualified by BASF – we therefore ensure the correct production parameters and accordingly a high-end product quality
- allow higher productivity through optimized reactivity
- are characterized by excellent bonding properties
- offer an optimized penetration depth adapted to the core materials

Further advantages

- Optimized A-component of BASF systems with lower viscosity leads to superb mixing quality, better wetting and improved processability.
- We specially designed unfilled systems with low viscosity to be applied on top of mineral wool without being absorbed too strongly.
- As we use phase-stable A-components, the material shows no signs of sedimentation under regular conditions, making constant stirring unnecessary.

Technology | Jetstream HP



Adhesive System: **Elastan®, 2C-unfilled**

Jetstream: the high-tech choice for your production

Jetstream technology is the most advanced way to produce superior quality sandwich panels. As the fastest system currently available, it enables a significant increase in productivity.

Brilliant technique

This procedure allows a very smooth and even application and dispersion of the adhesive: both sides can be glued to the core material simultaneously.

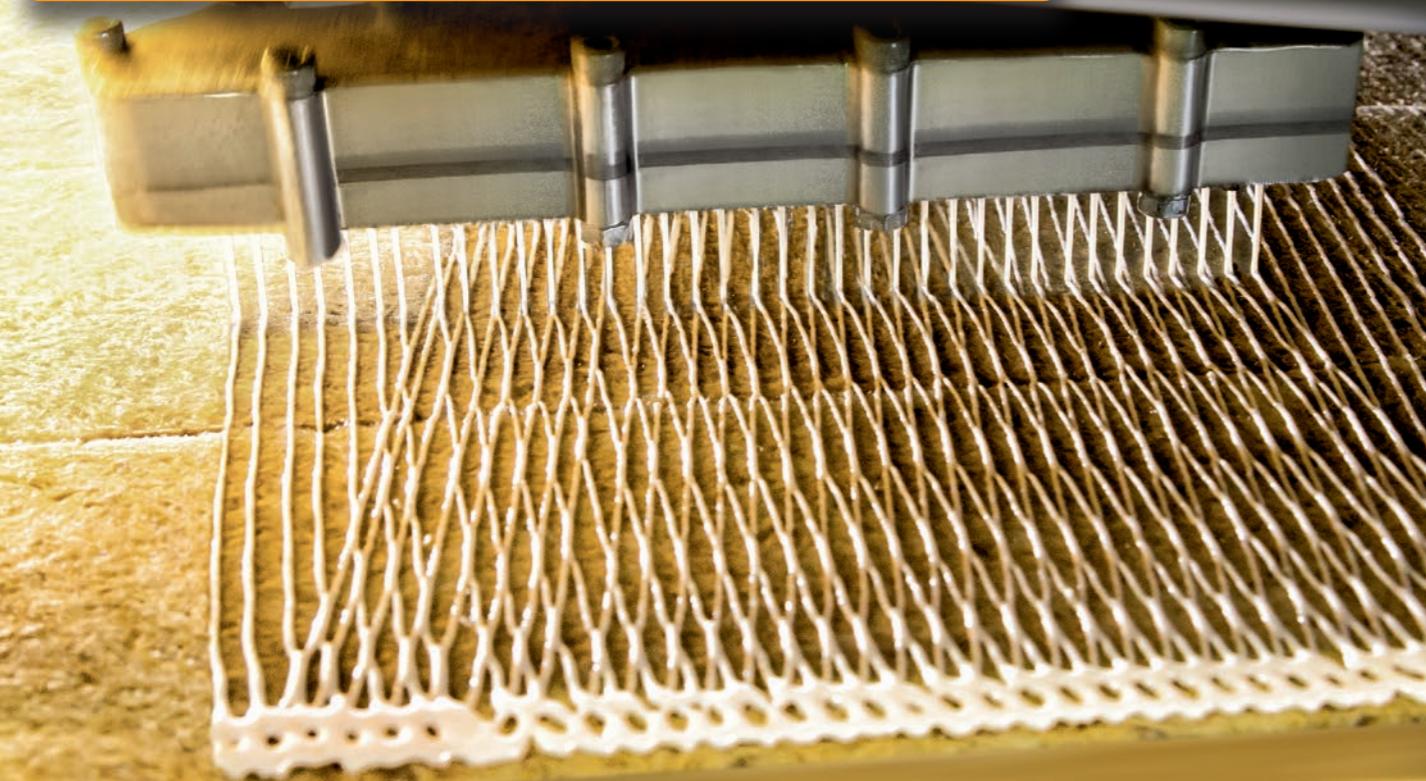
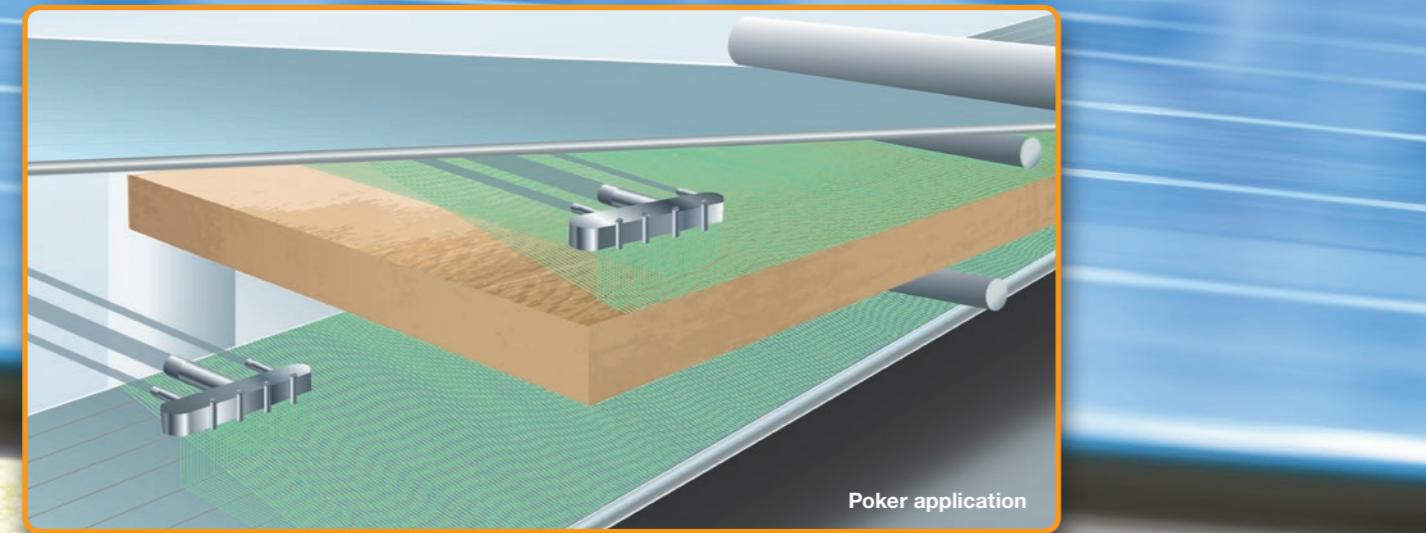
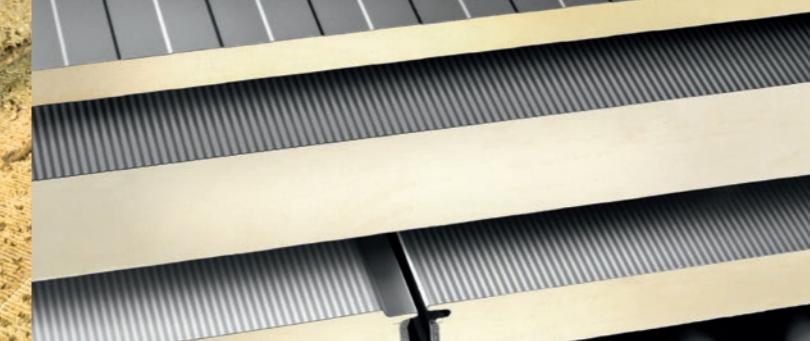
Increased longevity

A further advantage of this technique is that the nozzles no longer clog so easily, leading to an extended life span of the mixing head.

Elastan® for jetstream – advantages

- highest productivity rate
- excellent adhesion and shear modulus

Technology | **Poker LP**



Adhesive System: **Elastan®**, 2C-filled, unfilled

Poker: for a solid and reliable performance

Mainly used for filled systems, this technique is also suitable for specific unfilled systems. An oscillating rake or poker ensures even application of the adhesive over the entire width of the covering material.

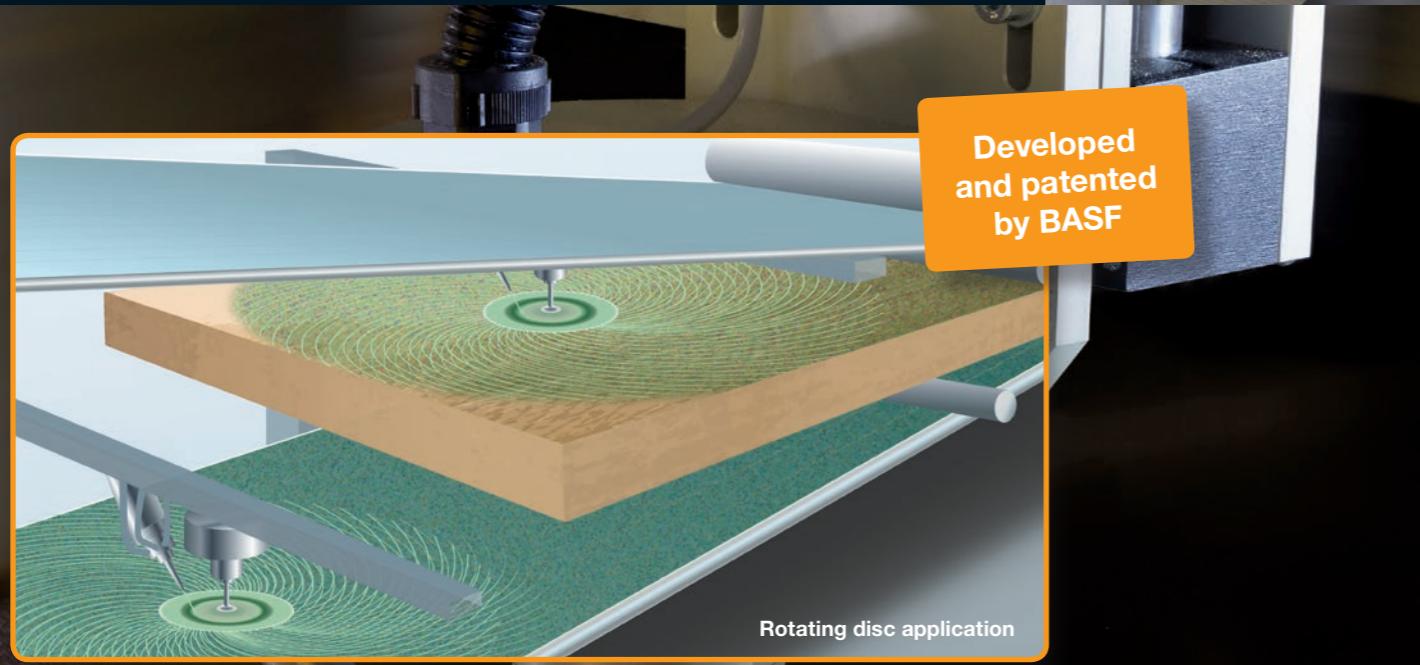
Positive effects

Using low viscos filled systems by BASF, this aerosol-free technology is characterized by low abrasiveness, which increases the durability of equipment like filters and pumps and reduces maintenance costs. BASF unfilled systems do not show any abrasiveness.

Elastan® for poker – advantages

- lower viscosity: better mixing quality
- low calorific value: A1 classification possible

Technology | Rotating Disc



Adhesive System:
Elastan®, 2C-unfilled, filled, 1C

Rotating disc: our path forward in process technology

With the rotating disc, an in-house development by BASF, we have advanced to the next phase of development in process technology. The name is the product: a rotating disc ensures ideal material distribution.

Numerous benefits

Due to optimized geometry, the PU adhesive can be spread particularly evenly across the entire width of the core and covering material. The result is higher end product quality. What is more, the technology is aerosol-free, produces less dirt and allows an efficient use of material.

The traditional way: wiper technology

In this process, a wiper mixes A and B component directly on the facing, providing very good mixing quality. But regarding the convincing advantages of the rotating disc, we recommend that all our customers currently using the wiping technology, easily switch to the next level. Nevertheless, BASF will continue to supply for use of wiper technology.

Elastan® for rotating disc – advantages

- system designed for patented technology – as an alternative and more effective solution compared to wiping
- adjustable penetration depth into wool