Sulzer Mixpac systems for 2-component adhesives
Metering - Mixing - Dispensing
for Industry applications
Application Systems from Sulzer Mixpac for Two-Component Adhesives and Sealants

Adhesives are becoming increasingly important in the world of modern fastening techniques. New materials and material combinations in industry, architecture, vehicle manufacturing, aerospace, electronics and sports equipment have lead to an increase in demand for new adhesive solutions that meet the highest requirements.

Reactive 2-component adhesives are becoming increasingly important for this very reason. To ensure a targeted and predictable reaction between the components, these adhesives are supplied in separate primary packages, especially single-use cartridges and double syringes. The user is provided with a system that enables the right adhesives to be used at the right place, at the right time and in the desired quantity.

The adhesive can only satisfy the demands placed on it if all aspects of primary packaging, dispensing and mixing can be performed and checked in a consistent, precise and reproducible manner.

Sulzer Mixpac provides the adhesives industry with a comprehensive range of high value and reliable application systems for almost every conceivable use and situation. Our systems guarantee adhesive manufacturers and users

- Stable storage of the components
- Precise dispensing
- Homogenous mixing
- Reproducible adhesive performance

Application systems from Sulzer Mixpac are the number one choice for all situations where certified processes and the highest demands on the bonding process are the order of the day.

The key feature of all Sulzer Mixpac new-generation double syringe and “Side by Side” cartridge systems is the total separation of the two components. This provides a high level of storage stability while simultaneously preventing cross-contamination. The cartridges and double syringes can be sealed cleanly and securely after each use.

**Features**
- No cross contamination
- Clean outlets
- Easy mounting and dismounting of mixer
- Leak free interface
- Controlled adhesive performance
- Highest process safety

**Separated discharge of the components**

The patented cartridge/mixing tip interface dramatically increases the reliability and performance of the adhesive system. A homogenous and thorough mixing of the two components is guaranteed by Sulzer Mixpac systems using the compatible mixing tip recommended and supplied by the manufacturer.

For every system Sulzer Mixpac offers a range of static mixing tips in all shapes and sizes. Sulzer Mixpac ensures that the finest mixing technology is available for every possible application.

Compatible, robust and reliable dispensing devices for all cartridge systems are available from Sulzer Mixpac. Packaging, mixing, dispensing and the application of adhesives and sealants are core competencies of Sulzer Mixpac – the global technology leader.

An application laboratory equipped to the highest standards, a technology team that’s focused on new innovations, our own manufacturing facility and skilled customer consultants all come together to provide you with the ideal solution for your application.
System overview

Mixpac™ K-system
2-K syringe
with 2.5 ml, 5 ml and 10 ml capacity

Mixpac™ B-system
2-K cartridge
with 50 ml capacity

Mixpac™ F-system
2-K cartridge
with 200 ml or 400 ml capacity

Statomix™
Disposable static mixer
for dosing systems

Quadro™
Disposable square static mixer
with patented mixing geometry
Mixpac™ K-system

2-K syringe with 2.5 ml, 5 ml and 10 ml capacity

Applications:
For professional use
For DIY applications
For low-volume applications
• Integral part of an assembly and repair kit
• Bonding components in the electronics industry
• Maintenance and repair of sport and leisure equipment
• General applications in the home

Product advantages

<table>
<thead>
<tr>
<th>Benefits for the customer</th>
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<td>Separated outlets</td>
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<tr>
<td>Safe and clean working</td>
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<tr>
<td>No cross-mixing</td>
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<tr>
<td>Reusable for several applications</td>
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<tr>
<td>Safe and easy handling</td>
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<td>No cross-mixing</td>
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<tr>
<td>Rigid construction</td>
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<td>Precise dosing – accurate application</td>
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<tr>
<td>Ergonomic</td>
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<td>High long-term stability</td>
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<td>Reusable plunger</td>
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<td>Ecological</td>
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<tr>
<td>Cost saving</td>
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<tr>
<td>Wide range of different mixers</td>
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<td>Optimal mixer for each 2-component adhesive</td>
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<tr>
<td>Complete system</td>
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<tr>
<td>High process reliability</td>
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<td>Custom designs possible</td>
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<td>Supports branding</td>
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Range:
The Mixpac K-system is available in various sizes with different mixing ratios and mixers. The syringes, caps and plungers can be supplied in the standard colours white, black and transparent. The mixer assortment includes different mixing elements, diameters, lengths, mixer tips and other accessories.
Applications:
For professional use in the following fields:
• Automotive
• Aerospace
• Industrial assembly
• Electronics
• Composites
• and other sectors

Mixpac™ B-system
2-K cartridge
with 50 ml capacity

Product advantages | Benefits for the customer
--- | ---
Separate outlets | Leak free interface between the mixer and cartridge
Safe and clean working
No cross-mixing

Defined positioning of cap | Safe and easy handling
No cross-mixing

Rigid construction | Precise dosing – accurate application
Suitable for high-viscosity compounds
High long-term stability

Integrated piston retention | High transport safety for transport by air and sea
Withstands variations in pressure and temperature

Wide range of different mixers | Optimal mixer for each 2-component adhesive

Complete system | High process reliability
Little user effort required
Fatigue-free working

Range:
The Mixpac B-system is available with different mixing ratios and a wide range of mixers. The cartridges are available in PP and PA6 materials. The system is completed by an ergonomic dispenser.
Mixpac™ F-system

2K cartridge with 200 ml or 400 ml capacity

<table>
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<tr>
<td>Separate outlets</td>
<td>Perfectly sealed interface between</td>
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<td>The mixer and cartridge</td>
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<td></td>
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<td>No cross-mixing</td>
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<td>Defined positioning of cap</td>
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<td>complete system</td>
<td>High process reliability</td>
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<td>Manual or pneumatic dispenser</td>
<td>Little user effort required</td>
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Range:
The Mixpac F-system is available with different mixing ratios and a wide range of mixers. The cartridges are available in PP and PA6 and PBT materials. The system is completed by a choice of ergonomic dispensers.

Applications:
For professional use in the following fields:
- Aerospace
- Wind power
- Shipbuilding
- Industrial assembly
- Construction sector (interior and exterior)
- Stone processing
- and other sectors
**Statomix™ – Mixer**

Disposable static mixer for dosing systems

This product family includes disposable static mixers specifically designed for high dispensing pressures, mixer shrouds and disposable rotary mixers. Luer lock adapters are also available for mounting application needles.

**Quadro™ – Mixers**

Disposable square static mixer with patented mixing geometry

**Applications:**
Mixers for 2-component cartridge systems

The extremely short and compact mixer construction reduces the volume of waste and therefore saves costs. The low pressure-drop allows to easily extrude high-viscosity products.
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