



PRODUCT INFORMATION

ADHESIVE SH-3E SOLUTION

PRODUCT DESCRIPTION

ADHESIVE SH-3E SOLUTION is a pink adhesive based on natural rubber (NR), which is used exclusively for export overseas (sea transport).

FIELDS OF APPLICATION

ADHESIVE SH-3E SOLUTION is used exclusively for bonding the hard rubber linings **CHEMONIT 18 HT**, **CHEMONIT 20 KTW**, **CHEMONIT 31**, **CHEMONIT 33**, **CHEMONIT 35**, **CHEMONIT 181**, **CHEMONIT 995** and **CHEMONIT H2** in combination with **ADHESIVE PARA SOLUTION** on steel.

For vulcanisation with steam & hot water and for special applications (e.g. rubber coating on stainless steel), the two-layer primer system **PRIMER HG 1** & **PRIMER HG 2** is additionally required.

The primed steel substrate is treated with **ADHESIVE SH-3E SOLUTION** and **ADHESIVE PARA SOLUTION** is used to coat the rubber sheets.

FEATURES

- Long open time (contact bonding time)
- High tack
- Good spreadability
- High spreading rate
- Good thermal stability (max. +120°C)

CHEMICAL RESISTANCE

Requests for chemical resistance can be sent to awt@tiptop-elbe.de.

SUBSTRATE

Substrates are components made of non-ferrous metals, cast materials, unalloyed or austenitic steel. The components must be designed and manufactured in accordance with EN 14879-1. The substrate must remain dry during application.

SURFACE PRE-TREATMENT

EN14879-1 and the TIP TOP specification "Corrosion protection of metallic components" must be observed. Unalloyed steel must be blasted to "Near White Metal" in accordance with EN ISO 12944-4. A surface preparation degree of SA 2½ according to EN ISO 8501-1 and a roughness degree "Medium (G)" according to EN ISO 8503-2 must be achieved. A minimum roughness depth of $R_z \geq 60 \mu\text{m}$ is required. After blasting, the formation of new rust should be prevented by suitable measures (e.g. priming).

CLIMATIC CONDITIONS

During application, direct or indirect sunlight must be avoided and the climatic conditions specified in the application instruction must be observed. To avoid condensation, a dew point difference of at least 3K must be maintained.

During application, the materials must never be colder than the ambient temperature at the workplace.

APPLICATION METHOD | CONSUMPTION | OPEN TIME

| Coat | Product | Application Method | Consumption | Min. Open Time | Max. Open Time |
|----------------|--------------------------------|--------------------|--------------------------|----------------|----------------|
| 1. Coat steel | ADHESIVE SH-3E SOLUTION | Brush | ca. 200 g/m ² | 3 h | 14 d |
| 2. Coat steel | ADHESIVE SH-3E SOLUTION | Brush | ca. 200 g/m ² | 6 h | 7 d |
| 1. Coat rubber | ADHESIVE PARA SOLUTION | Brush | ca. 150 g/m ² | 10 min | 2 h |

Always observe the current application instruction before using the products. The specified open times apply to a temperature range of +20°C to +25°C. **ADHESIVE SH-3E SOLUTION** must be stirred thoroughly before use.

ADHESIVE SH-3E SOLUTION can alternatively be used for the first coat rubber.

CLEANING

All equipment should be cleaned with **SOLVENT CF-CE** immediately after use. The equipment should be cleaned in a well-ventilated area.



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DELIVERY FORM | MINIMUM SHELF LIFE

| Product | Packaging | Article No. | Storage temperature | Min. shelf life |
|-------------------------|-----------|-------------|---------------------|-----------------|
| ADHESIVE PARA SOLUTION | 6 kg | 538 1504 | 5 - 25°C | 12 Mon |
| ADHESIVE PARA SOLUTION | 21 kg | 538 1460 | 5 - 25°C | 12 Mon |
| ADHESIVE SH-3E SOLUTION | 8 kg | 538 1513 | 5 - 25°C | 12 Mon |
| SOLVENT CF-CE | 10 l | 595 9163 | 5 - 25°C | 60 Mon |

The products must be stored in a cool, dry place protected from direct sunlight. Higher storage and transport temperatures shorten the shelf life. The containers must be stored frost-free and tightly closed and resealed after each removal. DIN 7716 must be observed. Information on handling, storage & transport can be found in the safety data sheet.

SAFETY MEASURES

The safety data sheets for the individual components and the legal regulations for handling hazardous substances must be observed. The prescribed personal protective equipment must be worn. Information on disposal can be found in the safety data sheets for the individual products. The safety data sheets can be downloaded from our homepage in the download area.

Information given in the fact sheet above corresponds to the current knowledge available to us regarding our products at the time of its drafting and is intended as a guideline for informational purposes. However, because of the multiple possibilities regarding possible applications, processing and on site conditions, any information given in the fact sheet above is not legally binding, in particular, without being limited to, such information shall not be interpreted as a warranty of merchantability or of fitness for a particular purpose. Customer therefore is advised to conduct its own testing or make an inquiry with our technical department before ordering. We reserve the right to change the product at any time, in particular, without being limited to, minor changes because of advancements in technology. If by way of exception, the information given in the fact sheet above is incorporated by reference into any contract concluded with us under German Law, such information, shall only be interpreted as determining the specific requirements of the contractual products as set out in § 434 BGB (German Civil Code) and shall not be interpreted as constituting a guarantee of condition.