SURGICAL TAPE Series

ALCARE SURGICAL TAPE Series provide the optimum fit and fixing for each purpose and location.

ELATEX
ELATEX-S
SILKYTEX-H
SILKYTEX
SILKYTEX-E
SILKYPORÉ-H
SILKYPORÉ
SILKYPORÉ-E
DERMAPORÉ
Select the appropriate surgical tape according to the purpose and location of use. ALCARE provides a wide variety of surgical tapes to ensure the highest-quality care for patients.

The adhesion strength and flexibility must be considered carefully depending on the purpose and location when selecting the right surgical tape. ALCARE provides a large variety of high-quality surgical tapes to meet customers’ needs. Select an appropriate surgical tape to suit each purpose for optimum care.

**Characteristics of Surgical Tapes**

- **Types of Base Fabric**
  - Silky-feel mesh non-woven fabric
  - Fabric which stretches in accordance with the skin movement
  - Elastic fabric for appropriately compressing the wound

- **Acrylic Adhesive Agent**
  - Maximum
  - Minimum

- **Adhesive Strength**
  - Maximum
  - Compression Fixing
  - Tube/Needle Fixing
  - Gauze Fixing

- **Flexibility of Base Fabric**
  - The characteristics of surgical tapes depend on the adhesive strength and flexibility of the base fabric.
  - ALCARE SURGICAL TAPE Series offer a large variety of surgical tapes characterized by graded adhesive strength ranging from low adhesive strength with minimum peeling irritation, to high adhesive strength for prolonged application. Regarding flexibility, three types of base fabric are available: a mesh non-woven fabric which fits the skin perfectly, a fabric which stretches in accordance with the skin movement, and an elastic fabric which maintains appropriate compression.

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**Characteristics, Purposes and Application Location of Surgical Tapes**

- **Joint**
  - Possibility of dislocation or peeling of surgical tape is high because of frequent skin movement.

- **Face**
  - Possibility of peeling of surgical tape is high because of excessive sebum on the face.

- **Trunk**
  - Possibility of peeling of surgical tape is low because of less skin movement.

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The adhesive strength required for each surgical tape depends on the purpose. If the surgical tapes must be frequently exchanged, select a surgical tape with a low adhesive strength which will cause minimum peeling irritation. If prolonged application is required, select a surgical tape with high adhesive strength.

If surgical tapes are used for treatment of frequently moving joints or saliaceous facies, they may peel off easily, so a surgical tape with high adhesive strength is recommended. High-quality care can be provided by selecting an appropriate tape for each purpose and location.
The philosophy of ALCARE surgical tapes is outstanding care for the patient characterized by multiple functions and high quality.

Outstanding care for the patient is the core principle in the development of all ALCARE surgical tapes characterized by multiple functions and top quality. Our surgical tapes are designed to have graded adhesive strength, cause minimum skin irritation and ensure sufficient permeability. ALCARE attaches high priority to the patients’ conditions and provides high-quality care products.

From gauze fixing to compression fixing with surgical tapes of graded adhesive strength

ALCARE SURGICAL TAPE Series have graded adhesive strength to suit a broad range of purposes and locations.

| Comparison of adhesive properties by the peel test |
|----------------------------------|----------------------------------|----------------------------------|
| Gauze Fixing                    | Tube / Needle Fixing             | Compression Fixing               |

* A strip of surgical tape of 25 mm in width is applied to the human skin and the strength required to peel the tape is measured.

Criteria for evaluation of the skin patch test results

<table>
<thead>
<tr>
<th>Method of evaluation</th>
<th>Microscopic evaluation</th>
<th>Macroscopic evaluation</th>
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<tbody>
<tr>
<td>Changes of skin surface</td>
<td>Deepening of skin furrows (involved skin furrows)</td>
<td>Erythema/edema</td>
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<tr>
<td>Criteria for evaluation</td>
<td>Number of patches/number of patches affected by the central sampling</td>
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<tr>
<td>Judgment</td>
<td>Negative</td>
<td>Almost negative</td>
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Skin-friendly surgical tapes causing minimum skin irritation

Skin irritation caused by the application of surgical tapes should be minimized. ALCARE makes constant efforts to develop skin-friendly adhesive agents which cause minimum skin irritation. The following good results were obtained in the skin patch test recommended by the Japanese Society for Cutaneous Health.

| SILKYTEX Type A - Negative |
| SILKYTEX Type B - Almost negative |
| ELATEX - Almost negative |

Because a type of allergic property is indispensable for surgical tapes, their skin irritability should be evaluated by microscopic observation of various changes of skin conditions. The Japanese Society for Cutaneous Health has established a skin patch test (shown). Method to microscopic observation and macroscopic observation changes of skin conditions. In this method, the test surgical tape and the control sample are applied to the skin of 20 healthy volunteers. The healthy skin surface contacts with both the surgical tape, and the control sample are applied to the skin of 20 healthy volunteers. The healthy skin surface contacts with both the surgical tape, and the control sample upon circular membranes, which is determined according to the number of subjects who show adverse reactions. The skin patch test is conducted on the most effective way to evaluate skin irritation at present. The criteria for evaluation are summarized in the following table.

Excellent permeability for comfortable fitting

ALCARE’s unique technique ensures sufficient permeability of the SURGICAL TAPE Series. These surgical tapes are effective for prolonged application and do not hinder sweating or skin respiration.

The ELATEX lining with rubber adhesive agent does not impede skin respiration thanks to its unique pattern application.

Surgical tapes lined with the acrylic adhesive agent have micropores for permeability all over the surface to which the adhesive agent is applied, to ensure perfect permeability.

ALCARE has included a split liner for the backing paper so that the surgical tape can be easily handled without touching the adhesive surface.

Easy-to-use surgical tapes with multiple functions

- Environment-friendly new package made of recycled paper
- Easy-to-use compact new package. The new compact package made of recycled paper reflects ALCARE’s commitment to environmental protection.
- SILKYTEX and SILKYPORE-E are packed in ordinary paper boxes.
- Surgical tape lined with backing paper ruled into 1cm squares for easy cutting
- The backing paper ruled into 1cm squares makes it easy to cut the surgical tape into complicated shapes for tube fixing.
- SILKYTEX and SILKYPORE-E are lined with backing paper without 1cm squares.
- Surgical tape lined with backing paper with split liner for easy handling
- ALCARE has included a split liner for the backing paper so that the surgical tape can be easily handled without touching the adhesive surface.
- ELATEX and ELATEX-S are lined with backing paper without split liners.
ALCARE seeks patient-friendly high-quality care by providing ideal surgical tapes for appropriate fixing.

**Elastic Surgical Tapes**

**ELATEX Series**

Surgical tape of 100% tightly twisted cotton with high adhesive strength. Remarkable elasticity and adhesive strength fit for compression fixing.

- **ELATEX** - Elastic Adhesive Bandage
  - Rubber adhesive agent causes minimal skin irritation and achieves appropriate fixing.
  - Unique adhesive application technique ensures excellent permeability.

**ELATEX-S** - Elastic Adhesive Bandage
- Bandage with minimum adhesive strength for reducing skin irritation caused by peeling while maintaining sufficient fixing.
- Skin-friendly acrylic adhesive agent is used and the sticky glue rarely remains after removal.

**SILKYPORE Series**

These skin-friendly bandages use a highly permeable mesh non-woven fabric and acrylic adhesive agent, causing minimal skin irritation. This type of bandage can be easily applied to even elbow-shaped bends for example, because of its good flexibility.

- **SILKYPORE** - Elastic Adhesive Gauze Bandage
  - Two colors are available, white and beige. Select an appropriate color according to the purpose and location.

**SILKYPORH Series**

- Prolonged application of this bandage causes no peeling or dislocation, due to its high adhesive strength.

**SILKYPORE-E** - Elastic Adhesive Gauze Bandage
- Only institutional packaging is available. (No compact packaging is available.)

**SILKYPORH-E** - Elastic Adhesive Gauze Bandage
- Only institutional packaging is available. (No compact packaging is available.)

**SILKYTEX Series**

This type of bandage can be used for various purposes because of its excellent flexibility and stable adhesive strength, enabling it to be applied to winding sites.

- **SILKYTEX** - Elastic Adhesive Bandage
  - This type of bandage can be used for various purposes ranging from gauze fixing to mild compression fixing.
  - Two colors are available, white and beige. Select an appropriate color according to the purpose and location.

- **SILKYTEX-H** - Elastic Adhesive Bandage
  - Bandage with high adhesive strength.
  - Prolonged application causes no peeling or dislocation.
  - The adhesive surface has permeable micro pores to ensure sufficient permeability.

**SILKYPORH**

- Air-permeable waterproof bandage for preventing contamination by water or bacteria.

- **DERMAPORH** - Air Permeable Waterproof Elastic Adhesive Bandage
  - This air-permeable waterproof bandage prevents the wound from being contaminated by moisture or foreign matter.
  - The contamination condition of the gauze or pad can be confirmed through the translucent bandage.
  - The thin bandage which stretches in all directions closely fits uneven surfaces.