

# Prosthetic Gloves for the Michelangelo Hand

Innovative, impressive – simply convincing

Quality for life



# Prosthetic Gloves

## Simply individual.

The prosthetic glove is an important element in the prosthesis – and it's the first part of the prosthesis that others notice. The glove also protects the hand from moisture, dirt and dust and allows the user to simply use the prosthesis – without worrying about protecting it. What a user needs from the glove is highly individual.

Now, Michelangelo Hand users can choose between four high-quality AxonSkin prosthetic gloves, which offer a variety of solutions. Users can pick the glove that's right for them, optimised for their lifestyle: whether more inconspicuous and natural looking or eye-catching. AxonSkin gloves offer the right solution for every need.



## The comparison – PVC and silicone prosthetic gloves

PVC	Silicone
<b>Durability</b> <ul style="list-style-type: none"> <li>PVC has good mechanical strength and good durability; if a tear is present, PVC is more resistant compared to silicone to further tearing and barely shows abrasion</li> </ul>	<b>Durability</b> <ul style="list-style-type: none"> <li>Silicone has lower mechanical strength; if there is a tear, silicone is less resistant to tearing further and suffers from higher abrasion in comparison to PVC (rubber effect)</li> </ul>
<b>Temperature dependence</b> <ul style="list-style-type: none"> <li>PVC can harden slightly at lower temperatures due to reduced elasticity</li> </ul>	<b>Temperature dependence</b> <ul style="list-style-type: none"> <li>Silicone does not show any change or reduced functionality at low temperatures in comparison to PVC</li> </ul>
<b>Surface properties</b> <ul style="list-style-type: none"> <li>PVC makes it easier to put on and take off clothes in comparison to silicone, the surface is not sticky – textiles, fibres, hairs and dust do not stick to the surface</li> </ul>	<b>Surface properties</b> <ul style="list-style-type: none"> <li>Silicone has a stickier surface than PVC. Putting on and taking off clothes is more difficult. Textiles, fibres, hairs and dust stick quickly and firmly to the surface</li> </ul>
<b>Soiling/cleaning</b> <ul style="list-style-type: none"> <li>PVC is generally more susceptible to soiling and is more difficult to clean in comparison to silicone</li> </ul>	<b>Soiling/cleaning</b> <ul style="list-style-type: none"> <li>Silicone is more stain resistant and easier to clean than PVC</li> <li>But if dyes have been absorbed by the silicone, cleaning is no longer possible</li> <li>Oils and solvents found in paints can cause the silicone to swell and permeate the silicone</li> <li>Daily cleaning with water and soap</li> </ul>
<b>🔵 Ottobock Skin Natural gloves:</b> <ul style="list-style-type: none"> <li>Special outer layer for lower susceptibility to soiling and easier cleaning</li> <li>Take extra care with ballpoint pen ink, printing ink (newspapers, photocopies) and dark, unwashed textiles</li> <li>If dyes have migrated into the PVC, cleaning is no longer possible</li> <li>Daily cleaning with water and soap</li> <li>If water and soap are insufficient: a special cleaner (640F12) with a pump sprayer (640F13) can be used</li> <li>Correct use of the cleaner is essential! <ul style="list-style-type: none"> <li>If the glove gets dirty, the special cleaner should be used immediately: spray cleaner on, allow it a moment to take effect, then wipe off the dirt by applying moderate pressure with a clean, undyed cloth. Rinse with water and dry.</li> <li>Important: do not leave the cleaner on too long and do not try to remove the dirt aggressively or with too much pressure</li> </ul> </li> </ul>	<b>🔵 Ottobock AxonSkin Silicone gloves:</b> <ul style="list-style-type: none"> <li>Special cleaner (640F12) should not be used on silicone</li> </ul>

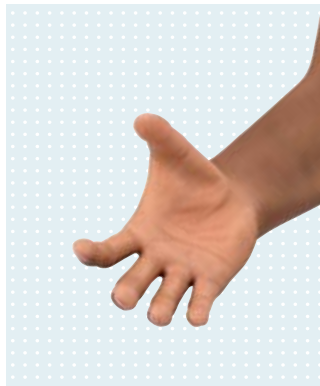
🔴 **The following applies to all AxonSkin prosthetic gloves:**  
Please observe the care and cleaning instructions.



# AxonSkin Natural

## Naturally beautiful.

AxonSkin Natural is particularly natural looking; it is also very robust and durable. A special finish makes it considerably more soil-resistant and easier to clean. Hand-drawn details such as veins, knuckles and fingernails replicate the look and feel of a natural hand. Deceptively real.



### Features

- Material: multilayered PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for a reduced susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/interaction between hand, hand shell and glove
- Long sleeve length for an integrated covering up to the elbow
- Highly natural thanks to the hand-coloured replication of the fingernails, veins and knuckles and the addition of coloured fibres – slight deviations possible
- The fingernails can be painted with standard nail polish, which should only be removed with acetone-free nail polish remover
- Versions available for men and women
- Colours: available in 7 colours, (646M47 Colour Sample Set)
- Dark colours (8, 11, 14 and 16) with lighter palm, highly natural
- Clean with special cleaner (640F12) and pump sprayer (640F13)

### Technical data

Article number	8S501=* (men), 8S502=* (women)
Side	right (R), left (L)
Size	M
Colour	2, 4, 6, 8, 11, 14, 16

### Order example

Article number		Side		Size	Colour
8S501	=	R	-	M	16



# AxonSkin Visual

## Visibly different.

Show off the fascinating design of the Michelangelo Hand with the translucent glove. Specific zones on the finger tips and palms improve grip. A confident style.



### Features

- Material: PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for lower susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/ interaction between hand, hand shell and glove
- Unisex design
- Colour: translucent; making the Michelangelo Hand visible
- Clean with special cleaner (640F12) and pump sprayer (640F13)

### Technical data

Article number	8S500=* (unisex)
Side	right (R), left (L)
Size	M
Colour	0

### Order example

Article number		Side		Size	Colour
8S500	=	L	-	M	0

# AxonSkin Black

## Simply eye-catching.

AxonSkin Black! This unusual prosthetic glove, entirely in black, is a real eye-catcher. Specific zones on the fingertips and palms improve grip. Striking.



### Features

- Material: PVC
- Good mechanical strength, good durability, robust, does not tear easily, resists abrasion
- Special outer layer for lower susceptibility to soiling and easier cleaning
- Special inner layer for improved functionality/ interaction between hand, hand shell and glove
- Unisex design
- Colour: matt black, Michelangelo Hand is not visible
- Clean with special cleaner (640F12) and pump sprayer (640F13)

### Technical data

Article number	8S500=* (unisex)
Side	right (R), left (L)
Size	M
Colour	20

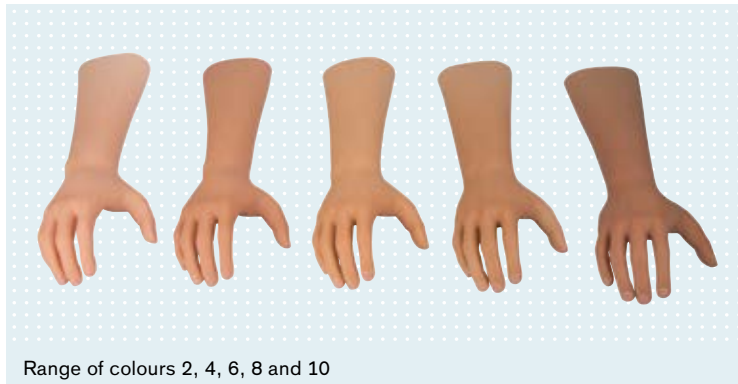
### Order example

Article number		Side		Size	Colour
8S500	=	L	-	M	20

# AxonSkin Silicone

## Made tough for everyday life.

Premiere: the first silicone glove for the Michelangelo Hand. The AxonSkin Silicone is very low maintenance and stain resistant. Simple cleaning with soap and water is usually sufficient. Practical.



### Features

- Material: multilayered silicone
- Stain resistant, easy to clean, not sensitive to low temperatures (no loss of functionality)
- Lower mechanical strength compared to PVC, more susceptible to cuts, lower resistance to tear propagation, higher abrasion
- Highly natural thanks to the hand-coloured replication of the fingernails and knuckles – slight deviations possible
- Fingernails cannot be painted with nail polish
- Available only in a men's version
- Colours: available in 5 colours (646M2 colour swatch)
- Clean with soap and water
- Glove can be quickly put on by a technician (no heating or stretching required)

### Technical Data

Article Number	8S511=* (men)
Side	right (R), left (L)
Size	M
Colour	2, 4, 6, 8, 10

### Order example

Article Number	Side	Size	Colour
8S511	=	L - M	4

### Notice:

Colours differ from Skin Natural gloves. Please use 646M72 colour swatch for silicone gloves for choosing right colour

• **Special cleaner** (640F12) should not be used on silicone!





# AxonSkin Gloves

## Donning

AxonSkin gloves must be donned quickly and without interruptions. Make sure the mounting tools and aids are positioned directly next to the oven and in an optimal position in the technician's working area. The alignment rod and the mounting tool are locked in the correct position and at the correct height before commencing. If necessary, a stepladder should be made available for the technician.

If the glove is too long, it should be shortened at the height of the elbow before heating it in the oven (page 11, [image 2](#)). Any further shortening of the glove required by the user's individual socket condition should only be performed as a separate step after the donning process has been completed.

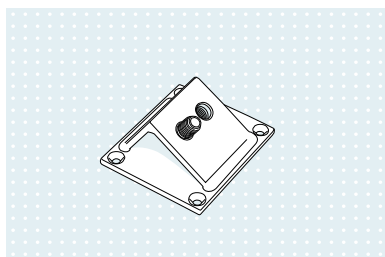
### Components

- 1 x mounting tool (711M64) and 1 x alignment rod (711M1)
- 1 x donning sphere (711M114) and 1 x alignment rod (711M1)
- Donning spray (640F18)

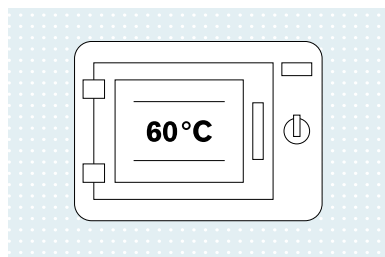
For fastening the alignment rod:

- If necessary, mounting plate(s) (711M2) or vice/worktop

⚠ Not heating or seething needed for silicone.



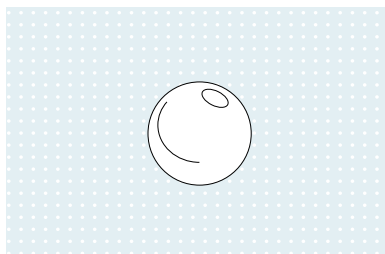
711M2 mounting plate



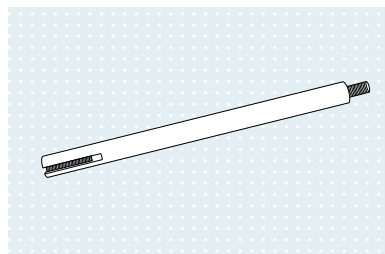
Oven



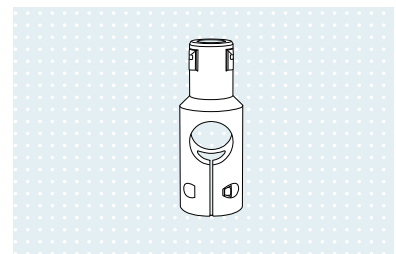
640F18 donning spray



711M114 donning sphere



711M1 alignment rod



711M64 mounting tool

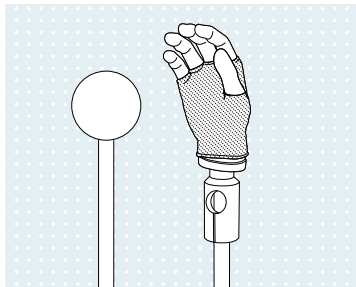
# AxonSkin Gloves

## Donning procedure

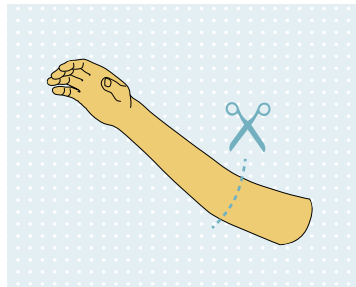
◉ **Notice:** Steps 2–7 are not necessary for AxonSkin Silicone gloves

A key condition when putting on the AxonSkin glove is that the glove is still warm during the process. Components must, therefore, be laid out ready and the whole procedure must be carried out without delays.

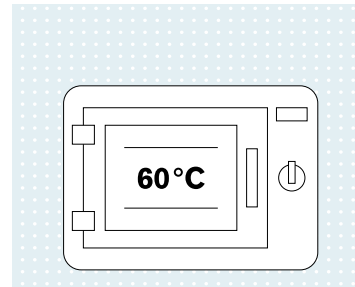
The prosthetic hand should be in Neutral Mode before putting on the glove, the wrist joint should be locked, the textile intermediate glove (if included in the scope of delivery) must already be donned.



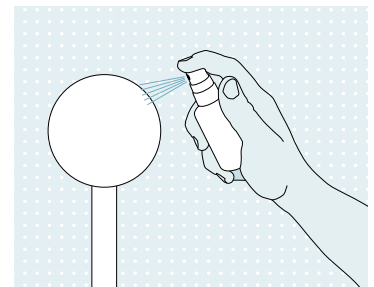
- 1 Necessary preparations:**
- The prosthetic hand should be in Neutral Mode; wrist joint should be locked
  - Preheat oven to 60 °C
  - Lay out the components



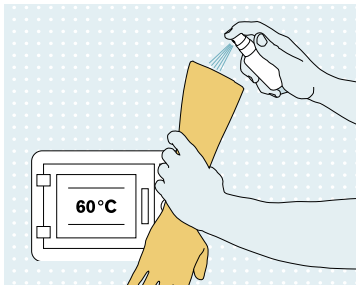
- 2 Shorten the AxonSkin glove at the location with the largest diameter = elbow height**



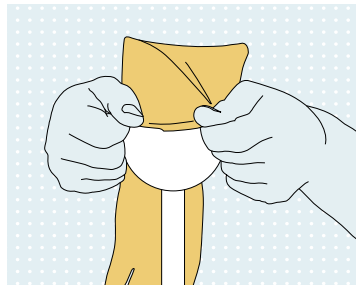
- 3 Place the AxonSkin glove in the oven at 60 °C for 10–15 minutes**
- ◉ Higher temperatures may damage the special coating. Do not use a hot air gun!



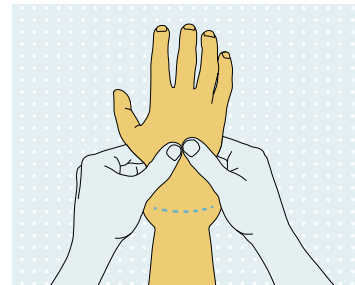
- 4 Spray the sphere before removing the AxonSkin glove from the oven**



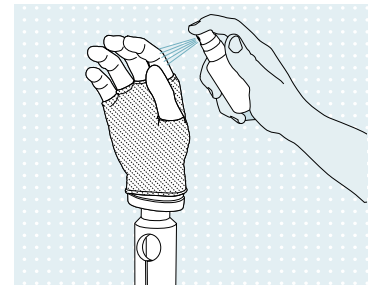
- 5 Remove the AxonSkin glove from the oven and spray the inside with sufficient donning spray**
- ◉ Only use Ottobock donning spray (no silicone spray)



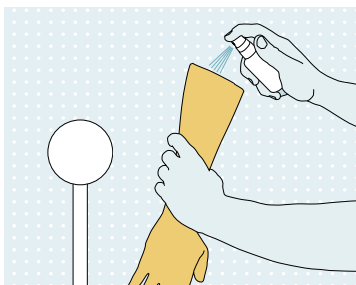
- 6 Pull the AxonSkin glove over the sphere while it is still warm.**
- ◉ Note the position (see 7)!



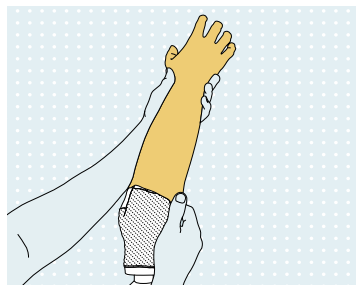
- 7 Position the glove at the height of the wrist (---) on the sphere**
- ◉ Stretching once briefly is sufficient; leave the AxonSkin glove on the sphere for max. 20 seconds



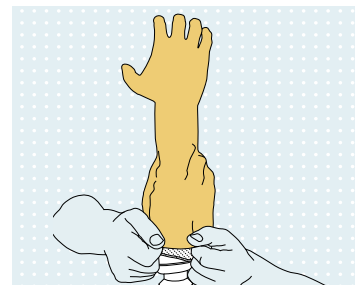
- 8 Spray all fingers with sufficient donning spray**
- ◉ excluding textile glove



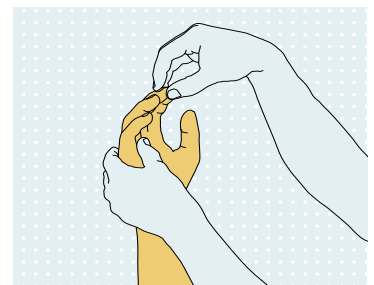
- 9 Remove the AxonSkin glove from the sphere and spray the inside again with donning spray**



- 10 Put the AxonSkin glove on the prosthetic hand and align it**



- 11 Hold the AxonSkin glove at the sleeve end and pull it over the prosthetic hand in one movement**
- ◉ Avoid mechanical stress (tension or pressure) on the thumb at all costs!



- 12 Adjust the AxonSkin glove to fit the prosthetic hand properly**

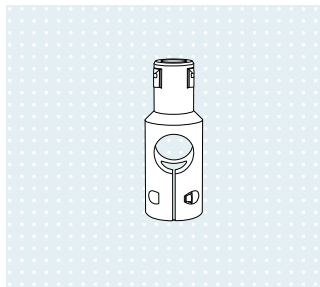
# AxonSkin Gloves

## Removal

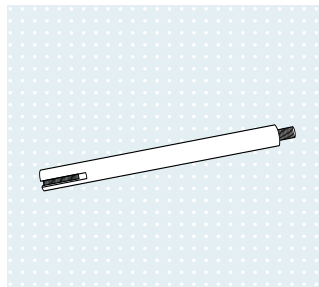
When removing the AxonSkin prosthetic glove, ensure that the thumb is exposed to as little mechanical stress as possible. This is why a distinction must be made between option 1 and 2.

- horizontal fastening of the alignment rod makes the removal of the glove easier

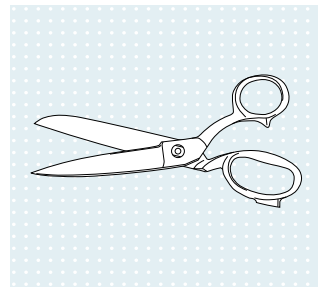
### Components



711M64 mounting tool



711M1 alignment rod

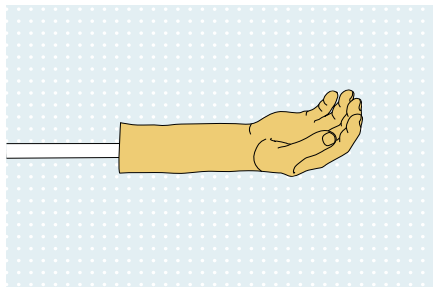


Scissors  
(only use with option 1)

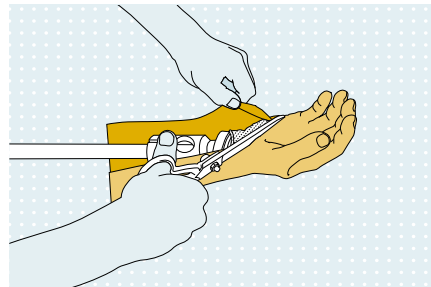


640F18 donning spray

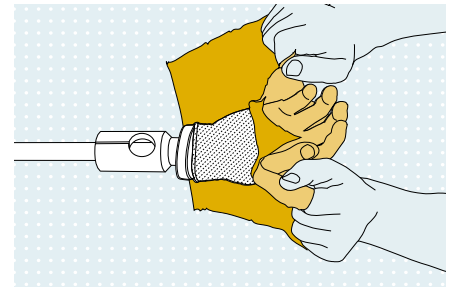
### Option 1: if the glove is NOT to be used further



- Necessary preparations:
  - The prosthetic hand should be in Neutral Mode; wrist joint should be locked

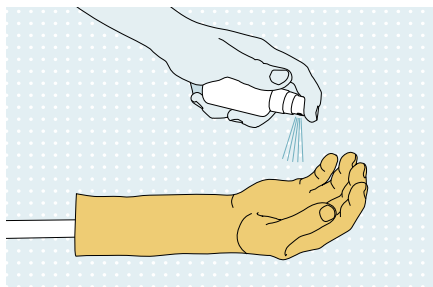


- Carefully cut open the glove on the inside
  - Do not damage the hand shell!

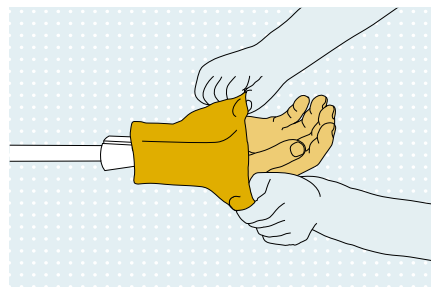


- Pull the sleeve apart as far as possible and remove

### Option 2: if the glove is to be used further



- Necessary preparations:
  - The prosthetic hand should be in Neutral Mode; wrist joint should be locked
  - Moisten the outside of the glove with donning spray

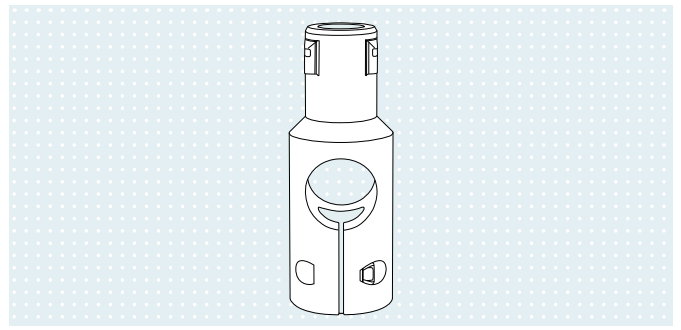


- Hold at the sleeve end and pull off
  - Avoid mechanical stress (tension or pressure) on the thumb at all costs!

## Accessories

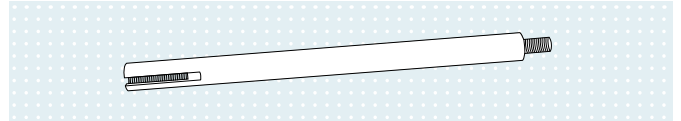
### **Mounting tool (711M64) for Michelangelo Hand**

The mounting tool (711M64) was developed especially for the Michelangelo Hand and should only be used for donning and removing the AxonSkin glove. The Michelangelo Hand is locked with the help of the mounting tool (711M64) and the alignment rod (711M1) in order to apply and remove the prosthetic glove. The mounting tool is essential for protecting the mechanics of the Michelangelo Hand and only one per customer is needed.



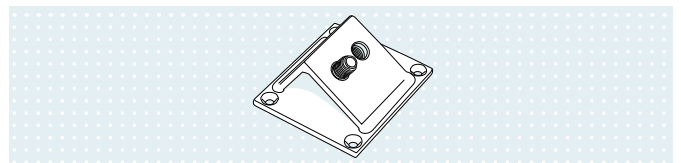
### **Alignment rod (711M1)**

One side with M12x1.5 outer thread for prosthetic hands and the other side with M12x1.5 inner thread for Ottobock System Electric Hands and the Michelangelo Hand.



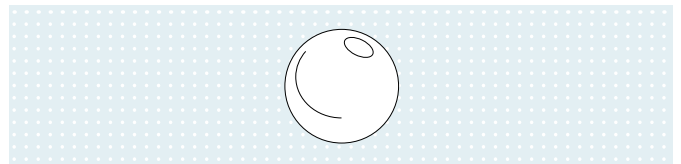
### **Mounting plate (711M2)**

Mounting plate for attaching alignment rod (711M1) to workbench



### **Donning sphere (711M114)**

The donning sphere was developed especially for the Michelangelo Hand and is used to stretch the AxonSkin glove briefly during donning.



### **Donning spray (640F18)**

The donning spray for Ottobock prosthetic gloves is used for donning and removal of the prosthetic glove (90 g net contents).



### **Special cleaner for Ottobock prosthetic gloves (640F12)**

If soap and water are insufficient: use special cleaner (640F12).

The correct application is essential. If the glove gets dirty, the special cleaner should be used immediately: spray cleaner on, allow it a moment to take effect, then wipe off the dirt by applying moderate pressure with a clean, undyed cloth. Rinse with water and dry.

Take extra care with ballpoint pen ink, printing ink (news-papers, photocopies) and dark, unwashed textiles. If dyes have migrated into the PVC, the stain cannot be removed. Container with 0.46 kg net contents.



### **Pump sprayer (640F13) for special cleaner for Ottobock prosthetic gloves**

The user should always keep handy a pump sprayer filled with special cleaner for Ottobock prosthetic gloves, in order to be able to use the cleaner immediately in case of soiling. Container without contents (90 g net contents).











