ottobock.

SuperSkin

Processing Otto Bock SuperSkin

Technical Information 7.4.8

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Explanation of Symbols

⚠ CAUTION Warnings regarding possible risks of accident or injury.
NOTICE Warnings regarding possible technical damage.
INFORMATION Notes on processing.

1 Introduction

Many lower limb amputees desire an inconspicuous or enhanced appearance in addition to the functional reconstruction of the lost limb. This makes the outer cosmetic design of the prosthesis of particular significance.

For this purpose, Otto Bock offers cosmetic foam covers, which can be closely modelled after specific features of healthy skin. With an **Otto Bock SuperSkin foam coating**, the quality of the cosmetic cover can be further improved by adding new properties.

Thanks to SuperSkin coating technology, the cosmetic foam cover can be spray-coated with a liquid polyurethane plastic (PUR), for example. The applied coating is stretchable, water repellent, UV-resistant, and can be dyed to match the skin tone. Prostheses coated with Otto Bock SuperSkin have an even more natural appearance and are more dirt-resistant.

A minimum prerequisite for the proper use of the Otto Bock SuperSkin product range is a high-performance spray gun and spray cabinet as well as compliance with the parameters specified. This manual explains equipment, coating materials and procedures for the following types of prostheses:

a) Transtibial/Transfemoral prostheses with PUR foam (Section 4.1)

b) Transtibial/Transfemoral prostheses with EVA foam or exoskeletal design (Section 4.2)

Lamination resin prostheses, prosthetic feet and cushions for rehabilitation or therapy can also be coated.

NOTICE

Risk of burns when near fire. Flame retardants have not been added to Otto Bock SuperSkin in order to prevent health risks from vapours and/or contact with the skin. Therefore, special care must be taken near unshielded flames, embers or hot heat sources.

2 Equipment

The equipment and tools listed in this section have been proven and tested for the application of Otto Bock SuperSkin. They have been adjusted for the coating materials and provide good results.
The coating procedure for Otto Bock SuperSkin should be performed in a spray cabinet with an exhaust system. Coating Kit 746B20 is especially suitable for the spraying procedures because the high-performance spray gun provides an easy way of applying the material evenly.

INFORMATION Please read each of the instructions for use included.

758Z60=1 Spray Cabinet

Version without ventilator, can be connected to the 758Z28=L or =R Lamination Bench Top Cabinet with Ventilation Unit.

Technical data:	
Inside dimensions WxHxD	800×1290×1000
Exterior dimensions WxHxD	800×1970×1330
Exhaust studs	250
Colour	light grey (RAL 7035)

758Z60=2 Spray Cabinet (not shown)

Version with explosion-protected ventilator
See above for technical data

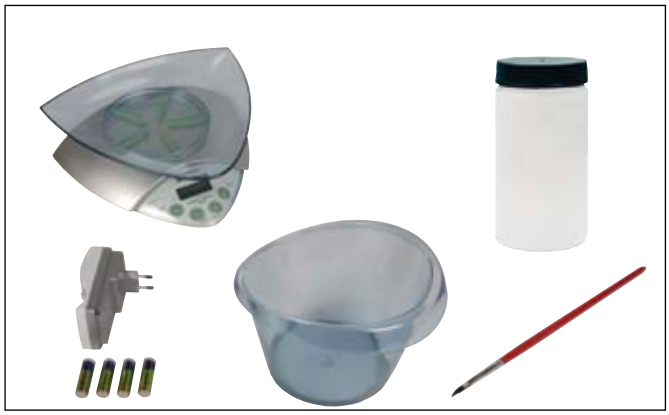
Ventilator data:	
Air quantity	2300 m^3/h
External pressure	400 Pa
Motor	Adjustable, explosion-protected design
Power requirements	3×400 V/N/PE; 50 Hz, 2.2 kW

746B20 Coating Kit

Includes a high-performance spray gun, suspended pressure reservoir, and pressure reducer for connection to a central pressure reducer.

756D3 Compressed-Air Stirring Device

For stirring coating materials



642B17=500 Polyethylene bottles

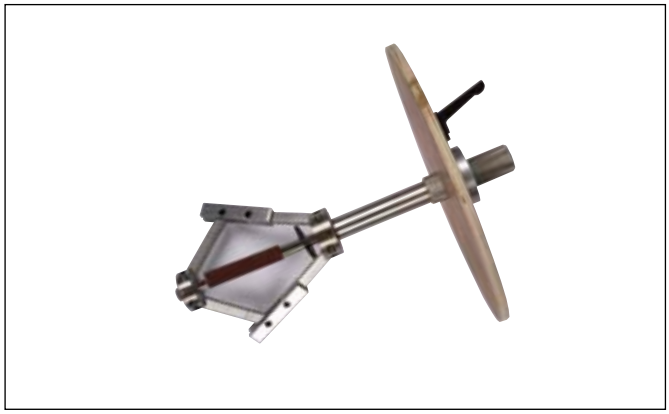
Used in the suspended pressure reservoirs

755W3 Electronic Table Scale

For weighing coating materials

747A5=4 Paint Brush

Crepe Adhesive Tape 627B6=30 *(not shown)*



743A20 Socket Interior Clamp

Holds prosthetic sockets. Features a turntable (Ø 300 mm).

Protective equipment:

- 75646=1 Safety Glasses
- 756Y80 Respiratory Protection Half-Mask (including filters 756Z5 and 756Z4)
- 641H17=… Chemical Protection Glove
- 641H9=2 Examination Gloves

Protective clothing *(not shown)*

3 Coating materials

⚠ CAUTION

Risk of health impairment. When processing any coating materials, please follow the instructions in the relevant safety data sheets as well as the applicable accident prevention regulations (VBG1, VBG23 “Processing Coating Materials”).

⚠ CAUTION

Risk of health impairment. Always use protective equipment. When using cleaning agents, always wear chemical protection gloves.

The **Otto Bock SuperSkin** products listed below are designed for coating foams. They are supplied in containers in a variety of sizes. Some are premixed to the proper consistency and shade. By mixing different basic colours, up to 18 custom colours or any number of gradations can be achieved to match the skin tone (see mixing tables in Sections 4.1.1/4.2.1).
Colour Sample Kit 646M13 helps you and the patient select the right skin colour.

The coating materials are distinguished as follows:

Otto Bock SuperSkin

Sprayable PUR synthetic for finishing the surfaces of PUR soft foam (such as PUR foam covers and PUR seat cushions), Otto Bock prosthetic feet and nylon connectors.

Description	Order no.	Net contents (kg)
Otto Bock SuperSkin, skin colours	635C1=1-1	0.900
Otto Bock SuperSkin, skin colours	635C1=2.5-1	2.300
Otto Bock SuperSkin, skin colours	635C1=5-1	4.700
Otto Bock SuperSkin, brown	635C1=0.25-14	0.225
Otto Bock SuperSkin, brown	635C1=0.5-14	0.450
Otto Bock SuperSkin, brown	635C1=1-14	0.900
Otto Bock SuperSkin, brown	635C1=2.5-14	2.300
Otto Bock SuperSkin, dark brown	635C1=1-18	0.900
Otto Bock SuperSkin, dark brown	635C1=2.5-18	2.300

For other colours, see Section 6.

Finish (concentrate and thinner)

Sprayable PUR synthetic (with greater surface tension that SuperSkin) for finishing the surfaces of EVA foams, PE foam covers, Pedilin® and Plastazote.

Finish/concentrate mixing ratio :
Finish dilution = 2 : 1.

INFORMATION See mixing table

Description	Order no.	Net contents (kg)
Otto Bock finish concentrate, skin colours	635C2A=1-1	0.600
Otto Bock finish concentrate, skin colours	635C2A=2.5-1	1.535
Otto Bock finish concentrate, skin colours	635C2A=5-1	3.135
Otto Bock finish concentrate, brown	635C2A=1-14	0.600
Otto Bock finish concentrate, brown	635C2A=2.5-14	1.535
Otto Bock finish concentrate, dark brown	635C2A=1-18	0.600
Otto Bock finish concentrate, dark brown	635C2A=2.5-18	1.535
Otto Bock finish dilution	635C2B=0.5	0.300
Otto Bock finish dilution	635C2B=1	2.770
Otto Bock finish dilution	635C2B=2.5	1.570

Primer

Use before applying Otto Bock SuperSkin on laminate, Pedilin® and Pedilan® light feet or applying finish on EVA foams, PE foam covers, laminate, Pedilin®, Plastazote and Pedilan® light feet.
Contact Adhesive 636N9=… is especially suitable as an additional primer for concave areas (undercuts) on EVA foams. This prevents the varnish from being overstretched.

Description	Order no.	Net contents (kg)
Primer	635C3=0.5	0.450
Primer	635C3=1	0.900

Cleaning agent

For cleaning the high-performance gun and other tools used in foam finishing as well as cleaning Pedilan® light feet and laminate (before spraying), and as a solvent for preparing Otto Bock prosthetic feet.

Description	Order no.	Net contents (kg)
Cleaning agent	634A80=1	0.750
Cleaning agent	634A80=2.5	1.900

PUR foam adhesive

For gluing PUR foams, joining PUR to EVA and other materials (e.g., connection caps for prosthetic feet or foam connection caps).

INFORMATION Apply sparingly.

Description	Order no.	Net contents (kg)
PUR foam adhesive	636W58	0.650

INFORMATION

Please read the container labels and safety instructions included.

⚠ CAUTION

Risk of health impairment. When processing any coating material, please follow the instructions in the relevant safety data sheets as well as the applicable accident prevention regulations (VBG1, VBG23 “Processing Coating Materials”).

4 Coating procedure

The Otto Bock technical information documents on modular leg prostheses provide detailed procedures for fabricating and shaping cosmetic foam covers. The correct pre-shaped foam block should be selected based on the amputation level and knee joint.

4.1 Coating a transfemoral/transtibial prosthesis with Otto Bock SuperSkin (PUR-based foam)

INFORMATION

During the coating process, do not use silicone spray to pull the cosmetic cover onto the prosthetic components. This can impair the adhesion of Otto Bock SuperSkin. Use silicone spray on the cosmetic cover only after applying SuperSkin.

INFORMATION

When removing dust from the cover, use only oil-free compressed air. Use an oil trap.

4.1.1 Preparation

Foam covers made from PUR flexible foam (e.g., 6R6, 3S6, 3R24, 3S106) are used as cosmetic covers for transtibial as well as knee and hip disarticulation prostheses.

Preparing the prosthesis:

- When determining the proper length of the transfemoral prosthesis, allow approximately 6 cm for compression (about 3 cm for the transtibial prosthesis) and fit the prosthetic socket precisely into the foam (compression allows depends on foam and prosthetic components).

- The standard connection cap is used for creating a detachable connection to the prosthetic foot.
- A separate connection cap is fabricated from lamination resin, Pedilin® or synthetic adhesive in order to attach the prosthesis to the socket. Trim the PUR foam cover to match the healthy leg. When doing this, ensure a smooth surface and good transition from socket to prosthetic foot.
- To remove shavings, tap the prosthesis or use a compressed air gun (**only only-free air**).

- If necessary, cover up any areas of the prosthesis that will not be sprayed using 627B6=30 Adhesive Tape.

  INFORMATION On some transtibial prostheses, up to approximately 1 cm of the inner edge of the socket can be coated.
- Mount the outstretched prosthesis on the socket interior clamp at the top of the spray cabinet.

Preparing for spraying:

- Set the central pressure regulator installed in the feed line to **6.5 – 7 bar**.
- Place the polyethylene bottle containing the 635C3 Primer in the high-performance gun and close it.
- Open the lock lever on the valve and set the pressure in the container to approximately **1.5 bar for primer/0.7 bar for SuperSkin** on the gun's pressure regulator.
- Set the gun's spray stream to "Fan" (see figure; photo is for right-handed users, fan stream angle marked in red). The fan stream should angled at 45° (right-handed: 135°; left-handed: 45°).

Preparing the spraying material:

- Open the lid of the Otto Bock SuperSkin container (normally 635C1=…-1; see tables below for colour mixing details) and stir it using a 756D3 Compressed Air Stirring Device. Repeat this procedure for the 635C3 primer. After stirring each material, clean the stirring device with 634A80 Cleaning Agent.
- Pour Otto Bock SuperSkin 635C1 into a polyethylene bottle. **Recommended amount for a transfemoral/transtibial cosmetic cover: 500/200g of Otto Bock SuperSkin 635C1**.
- Pour 50g of stirred 635C3 primer into another polyethylene bottle.

If a different colour is desired, it can be set using the percentage ratios of the colour specified. The colour mix can be adjusted using a precision scale. The following tables provide colour data:

SuperSkin for transfemoral prosthesis, PUR foam
Recommended amount: 500 g

Colour no.	Ratio of colour no. 1 635C1=1-1 (skin colours), in g	Ratio of colour no. 14 635C1=1-1 (brown), in g	Percentage of colour no. 1 635C1=1-1	Percentage of colour no. 14 635C1=1-14
1	500 g	0 g	100 %	0 %
2	480 g	20 g	96 %	4 %
3	460 g	40 g	92 %	8 %
4	420 g	80 g	84 %	16 %
5	375 g	125 g	75 %	25 %
6	335 g	165 g	67 %	33 %
7	290 g	210 g	58 %	42 %
8	250 g	250 g	50 %	50 %
9	210 g	290 g	42 %	58 %
10	165 g	335 g	33 %	67 %
11	125 g	375 g	25 %	75 %
12	85 g	415 g	17 %	83 %
13	45 g	455 g	9 %	91 %
14	0 g	500 g	0 %	100 %

Colour no.	Ratio of colour no. 14 635C1=1-1 (brown), in g	Ratio of colour no. 18 635C1=1-18 (dark brown), in g	Percentage of colour no. 14 635C1=1-14	Percentage of colour no. 18 635C1=1-18
15	350 g	150 g	70 %	30 %
16	300 g	200 g	60 %	40 %
17	150 g	350 g	30 %	70 %
18	0 g	500 g	0 %	100 %

SuperSkin for transtibial prosthesis, PUR foam
Recommended amount: 200 g

Colour no.	Ratio of colour no. 1 635C1=1-1 (skin colours), in g	Ratio of colour no. 14 635C1=1-1 (brown), in g	Percentage of colour no. 1 635C1=1-1	Percentage of colour no. 14 635C1=1-14
1	200 g	0 g	100 %	0 %
2	192 g	8 g	96 %	4 %
3	184 g	16 g	92 %	8 %
4	168 g	32 g	84 %	16 %
5	150 g	50 g	75 %	25 %
6	134 g	66 g	67 %	33 %
7	116 g	84 g	58 %	42 %
8	100 g	100 g	50 %	50 %
9	84 g	116 g	42 %	58 %
10	66 g	134 g	33 %	67 %
11	50 g	150 g	25 %	75 %
12	34 g	166 g	17 %	83 %
13	18 g	182 g	9 %	91 %
14	0 g	200 g	0 %	100 %

Colour no.	Ratio of colour no. 14 635C1=1-1 (brown), in g	Ratio of colour no. 18 635C1=1-18 (dark brown), in g	Percentage of colour no. 14 635C1=1-14	Percentage of colour no. 18 635C1=1-18
15	140 g	60 g	70 %	30 %
16	120 g	80 g	60 %	40 %
17	60 g	140 g	30 %	70 %
18	0 g	200 g	0 %	100 %

4.1.2 Spraying procedure

INFORMATION

Before coating a foam cover for the first time, perform trial coatings on test surfaces (e.g., on left-over cosmetic cover cuttings) in order to test the operation of the spray gun and its effects on the spraying pattern.

INFORMATION

The gun should be sprayed vertically from top to bottom and vice versa while rotating the prosthesis.

Before coating, clean the prosthetic foot (including sole) using 634A80 Cleaning Agent and the 747A5=4 paint brush.

Clean the lamination resin as well as the relevant Pedilin® components (e.g., connection cap) with 634A80 Cleaning Agent and lightly apply 635C3 Primer at approximately 1.5 bar (primer does not have to be used up).

Transfemoral prosthesis

Mount the prosthesis at the top of the spray cabinet. From the posterior perspective, carefully bend the prosthesis and begin coating the sole of the foot. Pre-coat the entire sole with SuperSkin (ratio of paint to air = 50 : 50). Matt the prosthesis (ratio of paint to air: about 20 : 80). Carefully extend the prosthesis to its original position and leave mounted at the top of the cabinet.

INFORMATION The ratio of paint to air can be adjusted using the spray lever.

Transtibial prosthesis (not shown)

Mount the prosthesis at the bottom of the spray cabinet. Pre-coat the entire sole with SuperSkin (ratio of paint to air = 50 : 50). Matt the prosthesis (ratio of paint to air: about 20 : 80). Mount the prosthesis at the top again.

INFORMATION The ratio of paint to air can be adjusted using the spray lever.

Apply an even base coat of Otto Bock SuperSkin 635C1 to all surfaces to be sprayed, including the pre-treated connection cap and the prosthetic foot (except for the toe area, see below for details) (see figure). Ratio of paint to air: about 50 : 50. When doing this, spray the cosmetic cover more heavily (ration of paint to air= 80 : 20) at very close range (inject the material).

From a slightly farther distance, apply a top coat to the cosmetic cover area in order to close the pores of the foam (not necessary in the foot and socket area). Ratio of paint to air: about 50 : 50. Repeat this step 1 – 2 times as necessary until the pores are completely closed.

Smooth out any strands of SuperSkin that have deposited in the toe area (spider web effect) using the paint brush or curved wire (approximately 2 mm in diameter) and use solvent to clean the toe area again.

Using quick movements, spray the toe area with SuperSkin at closer range. To ensure that the toe contours remain visible, pay special attention to the recesses between the toes (as well as the space between abducted toes). Ratio of paint to air: about 50 : 50.

Matt the entire prosthesis with one to two coats of SuperSkin. Ratio of paint to air: about 20 : 80.
INFORMATION Colours 1 to 7 can be matted in order to remove gloss. Colours 7 and upwards cannot be matted because otherwise a grey fog may appear.

Use a curved wire (approximately 2 mm in diameter) to press on the skin created between the toes (so that the matting coat joins with the top coat and wraps around the contours of the toes.

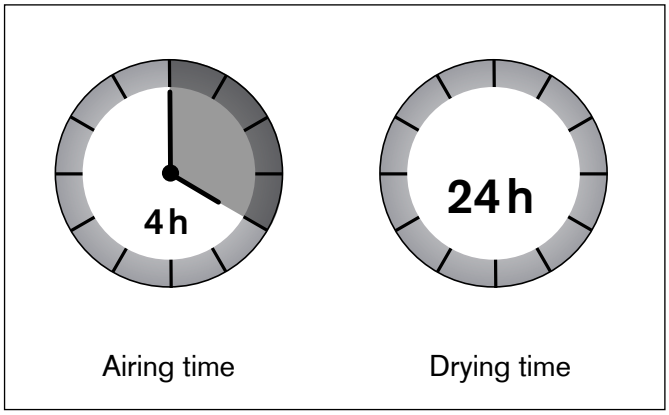
Creating cosmetic effects:

If desired, certain areas of the prosthesis can be individually painted to produce a shading effect.
To do this, place a separate polyethylene bottle with material specially mixed for another colour into the pressure reservoir of the spray gun. Test effects before spraying the prosthesis (e.g., spray left-over material or the side wall of the spray cabinet). With the spray nozzle slightly open, finely spray the desired areas.

If a hair effect is desired, proceed as follows:

- Fill the pressure reservoir with about 50 g of SuperSkin 635C1=2.5-9011 (black).
- Set the spray gun guide to the desired effect thickness (test on left-over pieces first).
- Using quick up and down movements, lightly spray the prosthesis while rotating it. Proceed carefully and apply the coat sparingly.

After spraying:



- Clean the spray gun immediately. We recommend using Cleaning Agent 634A80. To do this, pour 50 g of cleaning agent in separate polyethylene bottle and place it in the pressure reservoir of the spray gun. Spray cleaning agent from the gun until no coating material is emitted from the nozzle openings.
- Let the coated cosmetic cover air out in the spray cabinet for at least **4 hours**. After this, the patient can try on the cover.
- The coating requires at least **24 hours** to dry completely.

4.2 Coating a transtibial/transfemoral prosthesis with primer and finish (EVA foam or exoskeletal prostheses)

INFORMATION

When removing dust from the cover, use only oil-free compressed air. Use an oil trap.

4.2.1 Preparation

Foam covers made from EVA foam (e.g., 6R8/6R18) can also be used as cosmetic covers for transtibial, knee and hip disarticulation prostheses (with two-piece cosmetic cover plus connection piece). A connection cap for attaching the prosthesis to the socket is not absolutely necessary. The entire prosthesis can be coated, including the laminated socket and prosthetic foot.

Preparing the prosthesis:

- Mill the prosthetic socket into the EVA foam, heat with hot air and pull it over the prosthesis.
- Trim the EVA foam cover to match the healthy leg. When doing this, ensure a smooth surface and good transition from socket to prosthetic foot.
- To remove shavings, tap the prosthesis or use a compressed air gun (**only only-free air**)

- Use adhesive tape to cover up any parts of the prosthesis not to be sprayed (on some transtibial prostheses, up to 1 cm of the inner edge of the socket can be coated).
- Mount the outstretched prosthesis on the socket interior clamp at the top of the spray cabinet.

Preparing spraying:

- Set the central pressure regulator installed in the feed line to **6.5 – 7 bar**.
- Place the polyethylene bottle containing the 635C3 primer in the high-performance gun and close it.
- Open the lock lever on the valve and set the pressure in the container to approximately **1.5 bar for primer/0.7 bar for finish concentrate** on the gun's pressure regulator.
- Set the gun's spray stream to "Fan" (see figure; photo is for right-handed users, fan stream angle marked in red). The spray beam should be angled at 45° (right-handed: 135°; left-handed: 45°).

Preparing the spraying material:

- Open the lid to the 635C3 Primer, stir its contents with 756D3 Compressed Air Stirring Device, then pour it into a polyethylene bottle. **Recommended amount for a transfemoral/transtibial cosmetic cover: 100/200 g of 635C3 Primer**. Next, use 634A80 Cleaning Agent to clean the compressed air stirring device.
- To produce sprayable finish, mix Otto Bock 635C2A Finish Concentrate and 635C2B Finish Dilution **at a ratio of 2 : 1.**
- **Recommended amount for a transfemoral/ transtibial cosmetic cover: 100/200 g of finish concentrate and 50/100 g of finish dilution.** Stir the mixture well using the 756D3 Compressed Air Stirring Device and pour it into another polyethylene bottle.

If a different colour is desired, it can be set using the percentage ratios of the colour specified. The colour mix can be adjusted using a precision scale. The following tables provide colour data:

Finish concentrate/dilution for transtibial prosthesis, EVA form
Recommended amount: 150 g

Colour no.	Ratio of concentrate colour no. 1 635C1=1-1 (skin colours), in g	Ratio of concentrate colour no. 14 635C1=1-1 (brown), in g	Ratio of dilution 635C2B=… in g	Percentage of concentrate colour no. 1 635C1=1-1	Percentage of concentrate colour no. 14 635C1=1-14
1	100 g	0 g	50 g	100 %	0 %
2	96 g	4 g	50 g	96 %	4 %
3	92 g	8 g	50 g	92 %	8 %
4	84 g	16 g	50 g	84 %	16 %
5	75 g	25 g	50 g	75 %	25 %
6	67 g	33 g	50 g	67 %	33 %
7	58 g	42 g	50 g	58 %	42 %
8	50 g	50 g	50 g	50 %	50 %
9	42 g	58 g	50 g	42 %	58 %
10	33 g	67 g	50 g	33 %	67 %
11	25 g	75 g	50 g	25 %	75 %
12	17 g	83 g	50 g	17 %	83 %
13	9 g	91 g	50 g	9 %	91 %
14	0 g	100 g	50 g	0 %	100 %

Colour no.	Ratio of concentrate colour no. 14 635C1=1-1 (brown), in g	Ratio of concentrate colour no. 18 635C1=1-14 (dark brown), in g	Ratio of dilution 635C2B=… in g	Percentage of concentrate colour no. 14 635C1=1-14	Percentage of concentrate colour no. 18 635C1=1-18
15	70 g	30 g	50 g	70 %	30 %
16	60 g	40 g	50 g	60 %	40 %
17	30 g	70 g	50 g	30 %	70 %
18	0 g	100 g	50 g	0 %	100 %

Finish concentrate/dilution for transfemoral prosthesis, EVA form
Recommended amount: 300 g

Colour no.	Ratio of concentrate colour no. 1 635C1=1-1 (skin colours), in g	Ratio of concentrate colour no. 14 635C1=1-1 (brown), in g	Ratio of dilution 635C2B=… in g	Percentage of concentrate colour no. 1 635C1=1-1	Percentage of concentrate colour no. 14 635C1=1-14
1	200 g	0 g	100 g	100 %	0 %
2	192 g	8 g	100 g	96 %	4 %
3	184 g	16 g	100 g	92 %	8 %
4	168 g	32 g	100 g	84 %	16 %
5	150 g	50 g	100 g	75 %	25 %
6	134 g	66 g	100 g	67 %	33 %
7	116 g	84 g	100 g	58 %	42 %
8	100 g	100 g	100 g	50 %	50 %
9	84 g	116 g	100 g	42 %	58 %
10	66 g	134 g	100 g	33 %	67 %
11	50 g	150 g	100 g	25 %	75 %
12	34 g	166 g	100 g	17 %	83 %
13	18 g	182 g	100 g	9 %	91 %
14	0 g	200 g	100 g	0 %	100 %

Colour no.	Ratio of concentrate colour no. 14 635C1=1-1 (brown), in g	Ratio of concentrate colour no. 18 635C1=1-14 (dark brown), in g	Ratio of dilution 635C2B=… in g	Percentage of concentrate Colour no. 14 635C1=1-14	Percentage of concentrate Colour no. 18 635C1=1-18
15	140 g	60 g	100 g	70 %	30 %
16	120 g	80 g	100 g	60 %	40 %
17	60 g	140 g	100 g	30 %	70 %
18	0 g	200 g	100 g	0 %	100 %

4.2.2 Spraying procedure

INFORMATION

Before coating a foam cover for the first time, perform trial coatings on test surfaces (e.g., on left-over cosmetic cover cuttings) in order to test the operation of the spray gun and its effects on the spraying pattern.

INFORMATION

The gun should be sprayed vertically from top to bottom and vice versa while rotating the prosthesis.

Clean laminated areas with thinner. Apply a thin lay of Otto Bock 636N9 2 × Contact Adhesive to the EVA foam or cosmetic covers wrapped in Pedilin® and let dry. This prevents overstretching of the coating material on undercuts.

Before coating, clean the prosthetic foot (including sole) using 634A80 Cleaning Agent and the 747A5=4 paint brush.

Apply a light coat of 635C3 Primer to the entire prosthesis (except the feet) at a pressure of 1.5 bar (primer does not have to be used up).

Transtibial prosthesis

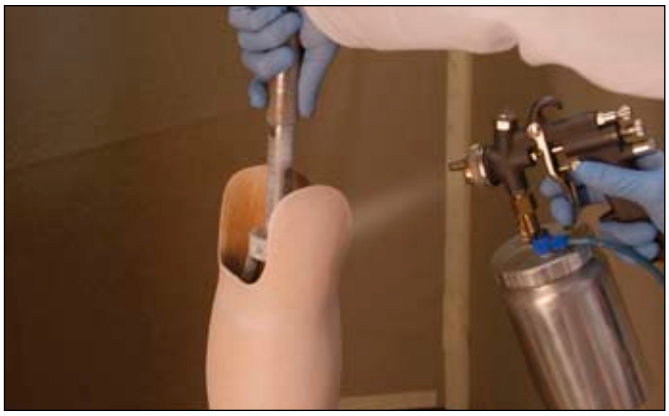
Mount the prosthesis at the bottom of the spray cabinet. Pre-coat the entire sole with finish concentrate (ratio of paint to air = 50 : 50). Then matt the prosthesis (ratio of paint to air: about 20 : 80). Mount the prosthesis at the top again.

INFORMATION The ratio of paint to air can be adjusted using the spray lever.

Transfemoral prosthesis

Mount the prosthesis at the top of the spray cabinet. From the posterior perspective, carefully bend the prosthesis and begin coating the sole of the foot. Pre-coat the entire sole with finish concentrate (ratio of paint to air = 50 : 50). Then matt the prosthesis (ratio of paint to air: about 20 : 80). Carefully extend the prosthesis to its original position and leave mounted at the top of the cabinet.

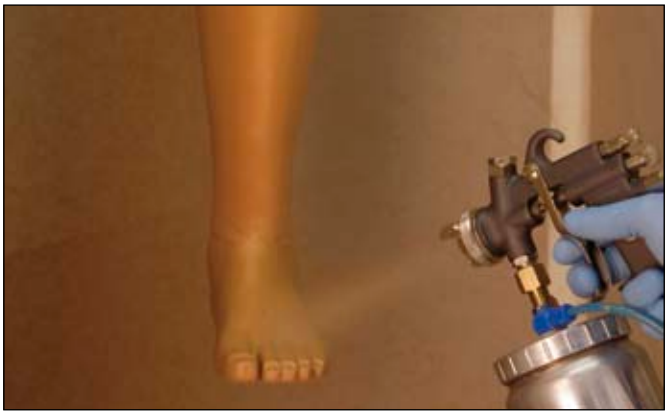
INFORMATION The ratio of paint to air can be adjusted using the spray lever.



Apply an even base coat of Otto Bock Finish Concentrate 635C2 to all surfaces to be sprayed, including the pre-treated connection cap, the prosthetic foot (except for the toe area, see below for details) and the cosmetic cover. Unclamp the prosthesis to reach the inner wall of the socket (see figure). Ratio of paint to air is approximately 50:50. If necessary, repeat this step 1-2 times to obtain an even coat.

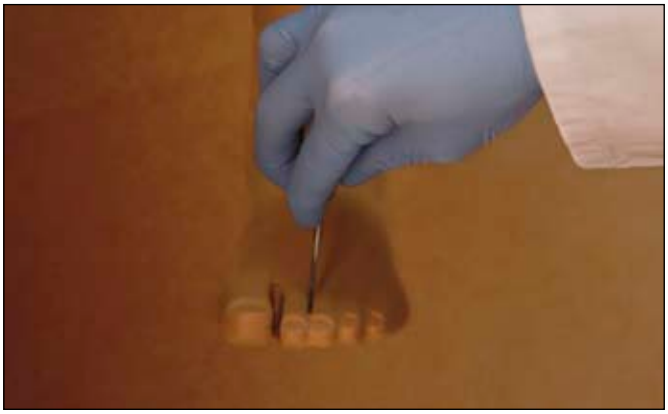
Smooth out any strands of SuperSkin that have deposited in the toe area "spider web effect" using the paint brush and use solvent to clean the toe area again.

Using quick movements, spray the toe area with finish concentrate at closer range. To ensure that the toe contours remain visible, pay special attention to the recesses between the toes (as well as the space between abducted toes). Ratio of paint to air: about 50 : 50.



Matt the entire prosthesis with one to two coats of finish concentrate. Ratio of paint to air: about 20 : 80.

INFORMATION Colours 1 to 7 can be matted in order to remove gloss. Colours 7 and upwards cannot be matted because otherwise a grey fog may appear.



Use a curved wire (approximately 2 mm in diameter) to press on the skin created between the toes (so that the matting coat joins with the top coat and wraps around the contours of the toes.

INFORMATION

For further steps (“Creating cosmetic effects” and “After spraying”), see Section 4.1.2.

4.3 Maintenance and repairs

The coating of the foam cover provides modular leg prostheses with a sealed surface that is rugged as well as dirt and water repellent.

The cosmetic cover should be cleaned using only a damp cloth and soap.

Do not use chemical cleaning agents. Repairs can be made by carefully spraying the cover with 634A80 Cleaning Agent (as solvent), followed by Otto Bock SuperSkin 635C1 (for PUR foams) or 635C2A/B Finish (for EVA foams).

5 Possible coating errors and remedies

Error/problem	Cause	Remedy
Small “pinpricks” in the first coat	Not a quality defect	Not absolutely necessary
Small “pinpricks” in the second coat	Coating applied too sparingly	Re-apply a thin layer of coating
Bubbles in the first coat	Coating applied too sparingly Coated with non-designated insulators (oiled compressed air, silicone spray)	Spray more heavily to ensure adhesion to foam Remove SuperSkin or finish concentrate immediately Dab the affected areas with alcohol and spray again after drying
“Runs” in the coating material on the foam	Coating applied too heavily	Carefully remove surplus material immediately with a cloth; reduce flow rate of material on gun
The surface of the foam is glossy	Ratio of material to air set to high on the gun	Re-apply a thin layer with increased air flow rate
Rough surfaces on certain parts of the foam	Coating applied too sparingly	Re-apply a thin layer of coating to the affected areas

INFORMATION

For maintenance information and troubleshooting suggestions, see the user manual of the spray gun.

6 Examples of other applications (cushions, pads, etc.)

Otto Bock SuperSkin can also be used to coat cushions, pads, seating elements, etc., made of PUR foam. Through spraying, the coating material can be applied to difficult shapes, even undercuts, without wrinkling. The resulting sealed surface is rugged as well as dirt and water repellent. Therefore, a cover does not have to be used. For further details, see processing instructions 647H210.

Additional colour alternatives for a variety of applications		
Description	**Order no.**	**Net contents** (kg)
Otto Bock SuperSkin, pure white	635C1=2.5-9010	2.300
Otto Bock SuperSkin, black	635C1=2.5-9011	2.300
Otto Bock SuperSkin, light grey	635C1=2.5-7035	2.300
Otto Bock SuperSkin, pastel turquoise	635C1=2.5-6034	2.300
Otto Bock SuperSkin, bright yellow	635C1=2.5-1026	2.300
Otto Bock SuperSkin, purple red	635C1=2.5-3004	2.300
Otto Bock SuperSkin, traffic red	635C1=2.5-3020	2.300
Otto Bock SuperSkin, signal violet	635C1=2.5-4008	2.300
Otto Bock SuperSkin, gentian blue	635C1=2.5-5010	2.300
Otto Bock SuperSkin, gold	635C1=1-1050	0.900

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