

Orficast®

Thermoplastic Tape

GENERAL PRODUCT INFORMATION

Orficast thermoplastic tape, is a low-temperature thermoplastic material, with a textile-like feel, used for the fabrication of small immobilization orthoses.

The tape is applied directly to the patient after it is activated.

PRODUCT RANGE

Orficast is available in rolls of $\pm$ 300 cm length, widths of 3cm in 2 colours, and 6 cm in 3 colours. The thickness of the material is $\pm$ 1.8 mm (1/14").

The density of the material is about 20 g/m.

Article Number	Color	Thickness (mm)	Size (mm)	Perforation
4030	Ocean Blue	1,3	30 x 3000 mm	Non Perforated
4030Z	Black	1,3	30 x 3000 mm	Non Perforated
4031	Ocean Blue	1,3	30 x 3000 mm	Non Perforated
4031Z	Black	1,3	30 x 3000 mm	Non Perforated
4032	Ocean Blue	1,3	60 x 3000 mm	Non Perforated
4032OR	Orange	1,3	60 x 3000 mm	Non Perforated
4032Z	Black	1,3	60 x 3000 mm	Non Perforated
4033	Ocean Blue	1,3	60 x 3000 mm	Non Perforated
4033OR	Orange	1,3	60 x 3000 mm	Non Perforated
4033Z	Black	1,3	60 x 3000 mm	Non Perforated

PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated.
2. The necessary tools should in no way put the patient at risk.
3. Position the patient comfortably and ensure that you are in an easy working position.

WORKING TECHNIQUE

Activating

- The material is activated by heating at a temperature of 65°C (149°F).
Possible activation sources are: Suspan water bath, dry heater, heating plate, and microwave oven.

The activation time of the material depends on the heat source and the product thickness.

The table below shows all activation and working information for the water bath. For more accurate figures, consult the technical data sheet of the product.

Activation Temperature		Activation Time	Working Time	Drying Time	Molding Time	Hardening Time
65 °C	149 °F	1 minute	1,5 minute	10 - 20 minutes	1,5 minute	3 - 5 minutes

- ***During activation, Orficast may shrink up to 45% which is normal. The base can be easily stretched to its original length before application.***
- When activating Orficast using a dry heater, heating plate, or oven, the hot surface must be covered with a Teflon paper or rubbed with talcum powder before activation. If using the Orfit Dry Heater to activate the material follow the written instructions for Dry Heater.
- Only use the heat gun to heat small areas of the Orficast to make small corrections to the shape of the orthosis or to attach the hook and loop. The heat gun is NOT meant to be used as a heat source to activate the total length of the Orficast Thermoplastic.

Never use an open flame to activate the material.

Make sure that the temperature of the activated material will not burn the patient.

Let the material cool sufficiently before application.

Beware: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna, or the proximity of an open fireplace.

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Cutting

- Cut the required length and pattern from Orficast before activation.

Applying

- Take the activated material out of the heat source and let the surface cool for a few seconds before applying it to the patient.
- Several application techniques are possible according to the splint model and the material type. Use the stretch and elastic properties of Orficast but avoid compression of the skin.
 - Gravity technique: The material forms itself under gravity.
 - Manual molding: Molding by manual stretching and holding.
 - Strips can be sewn together to make specific patterns.
- To obtain a homogeneous orthosis, Orficast must be applied while hot. When completed, firmly press to enhance the adhesion of all layers.
- Do not remove the orthosis from the patient before Orficast has sufficiently hardened. Trim excessive material with a suitable pair of scissors before the material has completely hardened. If needed, slightly reactivate the material locally by dipping the material briefly back into the hot water and using a suitable pair of scissors. Cooling time ranges from a few minutes for small and thin orthoses to up to 10 minutes for larger orthoses. This time can be reduced by using cold air, a cold bandage, or cold spray.

Finishing

- To attach fixation straps, hinges, outriggers, or other accessories to Orficast, use its self-adhesive properties. First, briefly, dry heat the orthosis locally with a heat gun until it becomes sticky. Then, press the strap or accessory firmly in place to secure it.
- Orficast has low to moderate memory. The material can be reactivated and unwrapped if not totally pressed together. This allows you to make small corrections to the orthosis if necessary.

MAINTENANCE

Orthoses made of Orficast can be cleaned with lukewarm water and liquid soap. Rinse well afterward and dry with a hairdryer in a cool setting to avoid prolonged skin maceration. You can also wash the Orficast orthoses in a washing machine using a cloth washing bag. Use slow speed and low-temperature settings.

If you are not sure about the cleaning fluid, do not use it.

Never use solvents and avoid abrasive detergents.

Do not put the entire orthosis into the hot water as this might cause the loss the shape.

Sterilization of Orficast in an autoclave is impossible.

Disinfection is possible with alcohol, quaternary ammonium, or a solution of commercial disinfection soaps (HAC®, Sterili-um®, etc.).

WASTE MANAGEMENT

After use, an orthosis can be disposed of with normal household waste without harming the environment.

INSTRUCTIONS FOR PATIENT

Provide the patient with sufficient and clear information on how to use the orthosis, wearing schedule, maintenance, and the possible constraints of the orthosis. Ensure that the patient fully understands the appropriate steps to take if adjustments are needed.

STORAGE

- It is advised to store the product in a dark, cool, dry place in the original packaging at temperatures of min. 10°C (50°F) and max. 30°C (86°F).
- Once removed from the packaging, the leftovers should be repackaged to avoid biodegradation.
- Do not lose the labels. They are crucial for product traceability.

GENERAL SAFETY ADVICE

- ***This product is not suitable for internal use. It may not be used on open wounds or in the mouth.***
- ***orthoses and rehabilitation aids made out of Orfit thermoplastics can only be made by qualified health professionals.***
- ***In the event of a serious incident that is related to the use of this product, you must report this to the distributor in your country. Please consult our website to find your distributor.***

ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets, and regulatory information, please visit our website www.orfit.com.

Note:

It is prohibited to make alterations to this text without prior approval from Orfit Industries.
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