

ORFICAST® THERMOPLASTIC TAPE



Activation temperature:
65°C (149°F)



Minimum
activation time:
1 minute



Maximum
activation time:
30 minutes



Drying time:
max. 10 seconds



Moulding time:
1 minute



Hardening time:
minimum 5 minutes



A. GENERAL PRODUCT INFORMATION

ORFICAST THERMOPLASTIC TAPE (ORFICAST) is a low-temperature thermoplastic material, with a textile-like feel, used for the fabrication of small immobilization orthoses.

ORFICAST is applied directly to the patient after it is activated.

! ORFICAST is not suitable for internal use. It may not be used on open wounds or in the mouth.

B. PRODUCT RANGE

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

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

	Art. no.	Description	Colour
width: 3 cm	4030	1 roll – width: 3 cm	Blue
	4030Z	1 roll – width: 3 cm	Black
	4031	box with 12 rolls – width: 3 cm	Blue
	4031Z	box with 12 rolls – width: 3 cm	Black
width: 6 cm	4032	1 roll – width: 6 cm	Blue
	4032Z	1 roll – width: 6 cm	Black
	4032OR	1 roll – width: 6 cm	Orange
	4033	box with 6 rolls – width: 6 cm	Blue
	4033Z	box with 6 rolls – width: 6 cm	Black
	4033OR	box with 6 rolls – width: 6 cm	Orange

C. PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.

! 4. Make sure that the temperature of the activated ORFICAST will not burn the patient.

D. ACTIVATION TECHNIQUE

1. ORFICAST is softened by heating at a minimum temperature of 65°C (149°F). Possible activation sources are: Suspan water bath, dry heater, heating plate, and microwave oven. The activation time depends on the heat source and the product size, and varies from 30 seconds to 5 minutes:
 - a. Water bath: 65°C (149°F): 1 min.
 - b. Dry heater or heating plate: 1-5 min
 - c. Microwave oven: 500W: 2–2½ min (first heat sufficient amount of water in the microwave and afterwards activate the ORFICAST. by steeping it into this hot water).

! IMPORTANT NOTE:

During activation, Orficast may shrink up to 45% which is normal. The base can be easily stretched to its original length before application.

2. 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.

If using the Orfit Dry Heater to activate the material follow the written instructions.

- !3. ***Be careful: 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.***

4. Temperatures up to a maximum of 100°C (212°F) do not damage ORFICAST, but are not user-friendly. Higher temperatures are allowed on the condition that the activation time is reduced accordingly.

- !5. ***Never use an open flame to activate ORFICAST.***

E. WORKING PROPERTIES

Applying:

1. Various application techniques are possible:
 - Wrapping technique: identical to the application of plaster bandages.
 - Strips can be sewn together to make specific patterns.
 - Manual moulding of the ORFICAST strip [or several layers together].

Use the stretch and elastic properties of ORFICAST but avoid compression of the skin.

2. ORFICAST sticks to itself and to all porous surfaces very easily. In case of accidental bonding, keep it activated and gently pull the layers apart.
To obtain a homogeneous orthosis, ORFICAST must be applied while hot. When completed, firmly press to enhance the adhesion of all layers.

Straps, orthosis accessories or reinforcements can also be stuck to the orthosis using the self-adhesive properties of ORFICAST. First briefly heat the ORFICAST orthosis locally using the heat gun until the material becomes brilliant and sticky. Afterwards, adhere the desired materials onto the surface of the orthosis and press firmly to secure the bonding.

3. 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.

F. FINISHING

1. Do not remove ORFICAST from the patient before the orthosis is sufficiently hard.
2. If the orthosis must be cut to be removed, use a suitable pair of bandage scissors and do not wait until the product is completely hard.
3. The cooling time can be shortened by means of cold air, a cold bandage or a cold spray.

G. MAINTENANCE AND WASTE MANAGEMENT

To clean the ORFICAST, use lukewarm water and soap. Rinse locally and dry with a hair dryer in a cool setting to avoid prolonged skin maceration. Do not put the entire orthosis into the water as this might cause the loss of its shape.

H. MAINTENANCE AND WASTE MANAGEMENT

To clean the ORFICAST, use lukewarm water and soap. Rinse locally and dry with a hairdryer in a cool setting to avoid prolonged skin maceration. Do not put the entire orthosis into the water as this might cause the loss of shape.

! Never use solvents, avoid acid detergents.

Sterilization of ORFICAST orthosis in an autoclave is impossible.

ORFICAST can be disinfected with alcohol, quaternary ammonium or a solution of commercial disinfecting soaps (HAC®, Sterilium®, etc.). Rinse well after treatment. After use, an orthosis can be disposed of with normal household waste without harming the environment. ORFICAST is biodegradable.

I. ADVICE FOR THE PATIENT

! Give the patient sufficient information about the exact use and maintenance of the orthosis and the possible constraints.

J. STORAGE

- It is advised to store ORFICAST in a dark, cool, dry place at a temperature of min. 10°C (50°F) and max. 30°C (86°F) and in the original packaging.
- Once removed from the packaging, the leftover material should be stored back in the packaging to avoid biodegradation.
Low-temperature thermoplastics can only be kept for a limited period of time and must be protected as much as possible from light, heat and humidity. The material ages in relation to storage circumstances.

K. GENERAL SAFETY ADVICE

- ! * ORFICAST is not suitable for internal use. It may not be used on open wounds or in the mouth.**
- ! * Never use an open flame to activate ORFICAST.**
- ! * ORFICAST may only be used by qualified health professionals for the fabrication of orthoses.**

L. 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

! 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.

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Note:

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