The ITNS
Insulated Thermoplastic Nasal Splint

The ITNS is an insulated thermoplastic Nasal Splint, produced in a superior material with very patient friendly characteristics. The ITNS is designed to replace plaster and other nasal splints.
The ITNS has an insulated surface which offer the following benefits: When the core of the Splint has a temperature of 70 ºC (160 ºF) the surface can have a temperature of only 45 ºC (115 ºF). Thanks to this characteristics the ITNS can be applied without discomfort for the patient and without risk of damaging the skin. The ITNS is easily formed and keeps its shape. The ITNS has an appealing fresh colour and structure which is appreciated by the patients. The ITNS is a superior alternative to plaster and other thermoplastic splints. Please follow the instructions for best results.

- Superior alternative to plaster and other nasal splints.
- Very patient friendly characteristics.
- Quick, safe and easy to use.
- Appealing design and colour.

Material Specifications

Material description

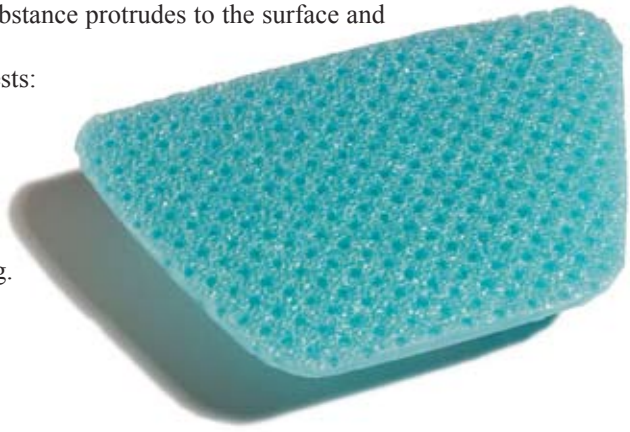
- The memory window (the temperature range in which the material may be draped and formed to the facial contours before hardening occurs) is far greater than that of other thermoplastics.
- It has lower tendency to creep back to its original, flat form and maintains a precise fit to the facial contours.
- When cooled, the material is extremely firm, but due to its special, patented coating, is still comfortable to the skin.
- This coating prevents the material from sticking to hair or skin.

Hot water bath and application to the patient

- A water temperature of 70-80 ºC (160-175 ºF) provides for optimal performance and handleability.
- Heating time varies from 20-35 seconds. Excess water should be toweled down, which will also decrease the material´s surface temperature to about 45 ºC where it can be applied to the patients face.
- No patient preparation is required, the material may be directly applied to the skin.

About the product

- The material is a low temperature thermoplastic. It consist of a core mixture of caprolactone/polyurethane ester and polycaprolactone, sandwiched between thin surface layers made from polyurethane foam.
- The core part is subdivided into layers of different viscosities providing stability and strength to the center core. In softened conditions the molecular structure has good flow characteristics and offers good cohesion properties to the outer core parts.
- The unique surface layers seal off the adhesive nature of the core material and allows for heat activation in the bath.
- Whenever pressure is excerted on the material, the core substance protrudes to the surface and causes selective layer to layer bonding.
- Safety: The material has been subjected to the following tests:
  Cytotoxicity: Non-toxic.
  Skin irritation: Non-irritant.
  Fume release: Far below risk limits.
  Environmental: No environmental combustion hazards.
- Clinical investigation indicate the material to be inherently biodegradable, it will dissolve in nature after wasting. The material can be treated as household waste.



Produced by Oy Fluorplast AB
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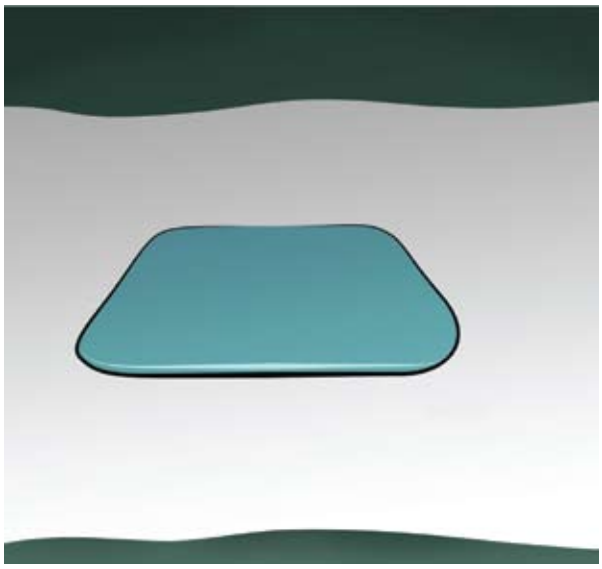
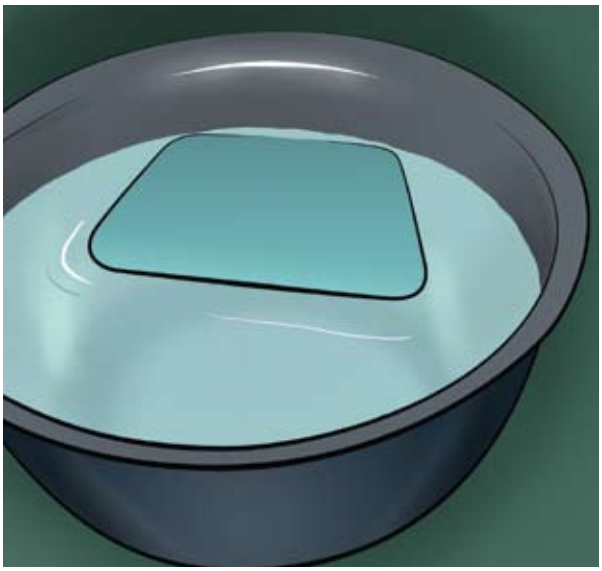
See the back for a step by step instruction for using the ITNS.

Cat.No.	Description
ITNS-10	Insulated Thermoplastic Nasal Splint (10 splints per box)



The Insulated Thermoplastic Nasal Splint (ITNS) is a good alternative to plaster.

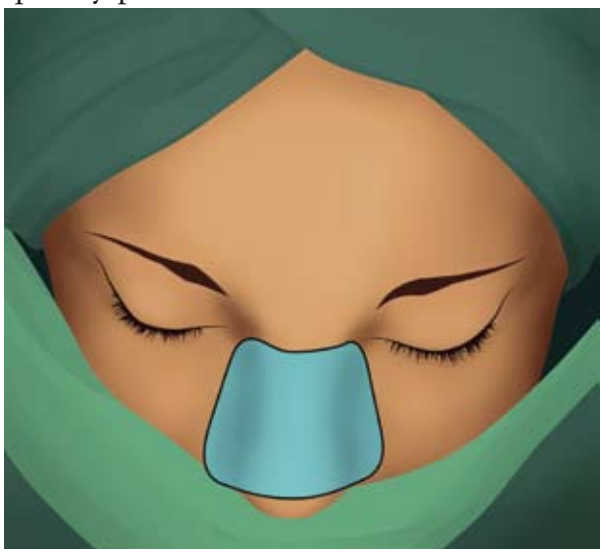
Pour warm water (70-80 °C, 160-175 °F) in a bowl.



Leave the Nasal Splint in the water for about 30 seconds.

A single layer of surgical strip has been applied to the nose. Excess water should be towelled down. The Nasal Splint is quickly placed on to the nose.

The Nasal Splint is formed into the desired shape with smooth pressure from the fingers for about a minute.



The Nasal Splint with stable shape is now in place. A thin surgical strip may be used to hold the splint securely in place.

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