

## Powder/Liquid System for the production of splints

### Instructions

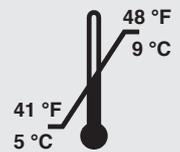
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2 component  
powder/liquid system  
for the production  
of splints

#### Technische Daten:

- Colour:  
clear transparent
- Density:  
ca. 1.1 g/ml
- Viscosity:  
ca. 0,6 Pa s
- Polymerization:  
122 °F  
> 2 bar  
45 min.
- Storage:



#### Ordering information:

THERMEO®  
Starterkit  
item no.: D1010118

THERMEO®  
Polymer-Refill  
180 g bottle,  
item no.: D1010119  
340 g bottle,  
item no.: D1010120  
800 g bottle,  
item no.: D1010121

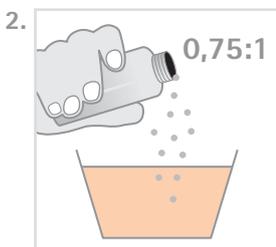
THERMEO®  
Monomer-Refill  
130 ml bottle,  
item no.: D1010122  
255 ml bottle,  
item no.: D1010123  
600 ml bottle,  
item no.: D1010124

These data result from  
measurements of a  
representative sample,  
which were determined  
within the scope of our  
quality assurance.



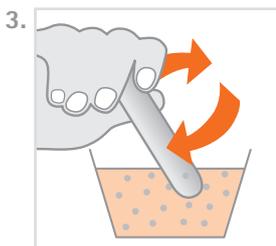
### 1. Product description

pro3dure's 2 component THERMEO® powder/liquid system is polymerized by heat and pressure (> 2 bar). Splints made out of pro3dure's 2 THERMEO® are extremely breakresistent. The thermoplastic flexibility provides greater, comfortable and tension-free wearing comfort.



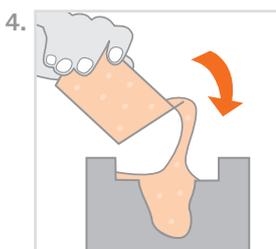
### 2. Processing

- Please store THERMEO® liquid in a refrigerator at 41-48 °F (fig 1).
- Prior to mixing both components must be refrigerated in order to ensure a long working time.
- Put the required amount of THERMEO® powder into the refrigerator minimum 15 min. before usage.
- Mixing ratio 0,75 part liquid to 1 part powder (m %) (fig 2). Important: respect mixing ratio thoroughly.
- Mixing ratio can also be adjusted volumetrically.
- Mix it thoroughly for a approx. 5-10 sec. as quickly as possible and bubble-free (use separate mixing cup and spatula) (fig 3).
- Pour cold mixture immediately into the negative form (fig. 4). If necessary please use appropriate separator.
- Immerse in a pressure pot as soon as possible at > 2bar and 122 °F for 45 min.
- After polymerization the splint can be finished as usual.



### 3. Important

- To avoid detrimental effects on material quality do not expose the liquid component to irradiation or heat under any circumstances.
- Deviations from the described manufacturing process may lead to different mechanical and optical properties of the THERMEO® material.
- Ensure personal protective gear during processing. Caution: Polymerised resins are chemically resistant avoid stains on clothing!
- Avoid any contact with skin and eyes. In case of accidental contact, rinse with adequate running water, consulting a doctor if necessary.
- The lot number and the best before date are indicated on each THERMEO® packaging. In case of claims please always indicate the lot number of the product. Do not use the product after expiry of the best before date.



### Safety advice

pro3dure medical GmbH is not liable for any damages caused by improper application of the material. To be used by trained specialist personnel for the purpose indicated only.

