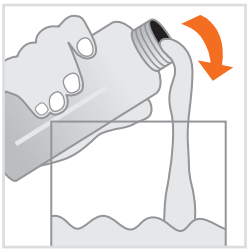
Generative Resin GR-21 Try-In

Instructions

pro3dure medical GmbH

Am Burgberg 13
D - 58642 Iserlohn
Tel. +49 (0)2374 920050-0
info@pro3dure.com
www.pro3dure.com

1.


2.


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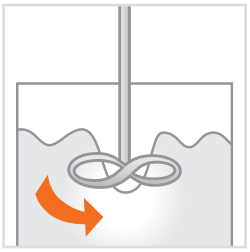

1. Product description

pro3dure´s generative resin **GR-21 Try-In** is a resin for the generative production of customized try-ins based on image projection systems (≤ 405 nm). The formulation of **GR-21 Try-In** is optimized for the requirements of a robust production guaranteeing constant high quality. The **GR-21 Try-In** is successfully tested for biocompatibility, certainly meets all mechanical and application demands. The material can be used for build processes with layer thicknesses from 50 up to 100µm. It is recommended to use the pro3dure medical curing device CD-1 or CD-2 for post curing.

2. Processing

- **GR-21 Try-In** bottles should be well shaked before use (fig 1).
- Make sure that **GR-21 Try-In** material is temperature adjusted up to 23 °C to 30 °C.
- Carefully pour **GR-21 Try-In** into the vat of the image projection unit (fig 2).
- Bubbles can be removed with a cleaned spatula or by a recoater routine.
- If it is possible, always store a bottle **GR-21 Try-In** in your production unit in order to avoid temperature differences during refilling.
- For the build parameter adjustment please refer to the machine data sheet.
- After the build process is finished a direct post treatment is recommended. If this cannot be guaranteed leave the produced objects in the liquid **GR-21 Try-In** resin.
- After cleaning of the parts with isopropanole ≥ 97 % (approx. 3-5 min. in an ultrasonic bath) the objects are postcured in an adequate light curing unit (e.g. pro3dure´s CD-1 or CD-2 for a period of 10 min.) in a protective gas atmosphere.
- The dental objects generated out of the generative resin **GR-21 Try-In** can be repaired as usual.
- Impurity due to operation mistakes cannot be excluded. With respect to the low viscosity of the resin it is possible to filtrate the **GR-21 Try-In**. It is recommended to filtrate and stir up the resin on a regular base (fig 3). To avoid bubbles let **GR-21 Try-In** rest for 1 hour before usage.

Contains: Urethanedimethacrylates, initiators, dyes and stabilisers.

3. Important

- To avoid detrimental effects on material quality do not expose the liquid material to irradiation under any circumstances.
- Deviations from the described manufacturing process may lead to different mechanical and optical properties of the **GR-21 Try-In** 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 **GR-21 Try-In** 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.

GR-21 Try-In

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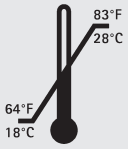
CE

Product description: photopolymerizable resin for the production of customized try-ins by image projection systems (≤ 405 nm)

Technical data:

- Colours: A1, A2, A3
- Density: ca. 1.1 g/ml
- Viscosity: ca. 0,7 Pa s
- Green flex modulus: Elastic modulus: ca. 600 MPa Flexual strength: ca. 50 MPa Elongation at break: ca. 20 %
- Post cured material: (depends on postcuring unit) Elastic modulus: ca. 2000 MPa Flexual strength: ca. 90 MPa Elongation at break: ca. 8 % Hardness: ca. 80 Shore D
- **Storage:**



Ordering information:

Standard packing:

1kg bottle, A1
item no.: D1001601

1kg bottle, A2
item no.: D1001602

1kg bottle, A3
item no.: D1001603

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

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