

# COLTECH E 495

TECHNICAL DATA SHEET  
Date: 15.03.2015 – Version 3

## Prototyping Pore Sealer / Varnish

### Product description

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COLTECH E 495 is a single component, transparent, film-forming, polyurethane varnish used as a sealer / pore sealer on absorbent surfaces in prototyping applications.

Cures by reaction with ground and air moisture.

### Uses

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The COLTECH E 495 is a highly specialized, prototyping sealer / varnish for use in preparation of porous, absorbent objects before the application of elastomeric resins in order to be copied (production of a negative prototype mold).

### Advantages

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- **Film-Forming**
- **Easy Application (single component)**
- **Chemical resistance**
- **Mechanical resistance**
- **Excellent adhesion on absorbent surfaces**
- **Over 10 years of positive feedback worldwide.**

### Consumption

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0,3 - 0,5 kg/m<sup>2</sup> applied in two or three layers.

### Application

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#### Prototyping Preparation

Before prototyping, check parts to be copied are free of any trace of moisture (Maximum surface moisture content should not exceed 4%).

Apply the COLTECH E 495 on object to be copied, by brush in two layers. Allow varnish to cure for about 1-2 hours before the application of the next layer. If the object to be copied is very porous and highly absorbent, apply a third layer to ensure all pores are completely closed.

After curing of the sealer / varnish on the object to be copied with a suitable liquid-applied mould release agent as the COLTECH E 495 to avoid bonding with the mould.

#### Packaging

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Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5<sup>o</sup>-30<sup>o</sup>C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

#### Safety measures

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Please study the Material Safety Data Sheet. **PROFESSIONAL USE ONLY**

Our technical advice for use, whether verbal, written or in tests, is given in good faith and reflect the current level of knowledge and experience with our products. When using our products, a detailed object-related and qualified inspection is required in each individual case in order to determine whether the product and /or application technology in question meets the specific requirements and purposes. We are liable only for our products being free from faults; correct application of our products therefore falls entirely within your scope of liability and responsibility. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. Values in this technical data sheet are given as examples and may not be regarded as specifications. For product specifications contact our R+D department. The new edition of the technical data sheet supersedes the previous technical information and renders it invalid. It is therefore necessary that you always have to hand the current code of practice.