

COLTECH E 497

TECHNICAL DATA SHEET
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Water-Based Release Agent

Product description

COLTECH E 497 is a water-based lubricant and release agent to separate gypsum and concrete parts from silicone molds and PU elastomer molds. It reduces the friction between the mold and the part thus prolonging the service life of the mold. COLTECH E 497 does not affect painting or bonding of the molded parts.

Advantages

- **Stable solution after dilution in water**
- **Resistant to temperatures up to 150 °C**
- **Over 10 years of positive feedback worldwide**
- **Does not contaminate the molded part**
- **Can be applied by spraying or by brush**
- **Does not cause build up on the molds**
- **Reduces abrasion thus prolonging the durability of the mold**
- **Can be painted**
- **Provides a shine uniform finish to the part**

Uses

The COLTECH E 497 is a highly specialized, water based, mold release agent for use in combination Polyurethane and Silicon Elastomeric molds for casting / applications such:

- Gypsum objects
- Cement objects
- Parts subjected to finishing operation after molding, like sanding, polishing, bonding, painting
- Limited productions where minimum cost and application time is required

Application

Mold Preparation

Before casting, check that parts or molds are free of any trace of moisture (Maximum surface moisture content should not exceed 4%). Before the application of the COLTECH E 497, the prepared object has to be coated with a suitable liquid-applied mold release agent as the COLTECH E 497 to avoid bonding with the mold.

Dilute COLTECH E 497 with water in the ratio 1:1 up to 1:4 (the optimum dilution ratio must be evaluated on each individual application according to the complexity of the mold). Apply by spraying with an air mix spray gun with 0,3-0,5 mm nozzle.

One or two layers are necessary.

Packaging

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^o-30^oC. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

Safety measures

Please consult the 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 user's scope of liability and responsibility. Our aggregate liability in damages or otherwise shall in no event exceed the amount, if any, received by us with respect to the relevant products. 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.