



**DESCRIPTION**

SQUID CAST 2.0 Is a VOC-free, odor free two-component system for casting with 100% solids formulation. This product is designed in a way that can be poured even at thick levels (about 2 inches of single coating when applying to regular areas) while maintaining a look that is crystal-clear. It is also specially formulated for any casting application to avoid shrinkage. It is built to retain colors and has great air release. Amongst its benefits is its top-notch mechanical properties like impact resistance. The product is best left for a week at room temperature during the curing to help it gain back its unique properties.

**Working time: Several Hours (5-10 hours)**

**WHERE TO USE**

It can be used to cast applications on a variety of substrates. You can also pour it on rocks, concrete, wood, granite, metal and so on. It is always advisable to perform sufficient adhesion tests before trying out this product.

**BENEFITS**

- It has a long pot life and great working time which makes it easy to apply
- It has great UV resistance
- It is good for the environment (lacks solvent, 100% solids and VOC-free) “food safe”
- It is odorless
- It is perfect for casting and can be used for applications with smaller encapsulations

**APPLICATION DATA**

Mix Ratio	2A:1B	
Color	Clear	
Shelf Life	One year, in original unopened factory pails under normal storage conditions.	
Applic. temp.	20°C	
New working time	Several Hours (5-10 hours)	
<b>Cure Time</b>		
2 inch (Tack Free)	72 hours	20°C and 55% rel. hum
15 mils (Tack Free)	88 hours	20°C and 55% rel. hum
Solids Content	100%	

**CURING TIME**

The product curing time is determined by the shape and thickness of the poured volume. The quantity poured, ambient temperature and the shape sought are some of the factors that affect curing time. The product is best applied in a stable room temperature of about 20 degrees. Low temperature might affect the quality of the curing. While a high ambient temperature could lead to an exothermic reaction. You can avoid bubbling by heating the product, but it could also lead to an exothermic reaction. Try not to

allow the thickness to exceed 2 Inches in large application areas. A thicker quantity can be applied for smaller applications, shapes or areas. It is important to carry out a sufficient number of tests before you start using the products.

## **APPLICATION**

Should not be applied unless the air and substrate temperature averages 20°C. Your working area must be completely free of dust. A screen should be created for surface protection as soon as the work is complete because particles, dust and other objects might land in the epoxy before the cure is complete and this could impact the results negatively. Any porous surface must be sealed by rolling or brushing the ADHL-EPOX100 products thoroughly in thin layers. The pouring process can be commenced as soon as the seal coat becomes tacky. The substrate must be sealed to prevent the surface pores from creating bubbles. The product should be poured across the surface after it is sealed. You can also heat the product gently to avoid any form of bubbles entrapment. Do not allow room temperature to be lower than 18°C as this will not allow the product to cure completely.

## **MIXING**

Mix one part of B and two parts A together in a different container at low speed. The ratio must be followed if not the product might end up not curing. The container used for the mixing should be clean and devoid of external particles. Mix vigorously for three minutes. Try not to mix too fast to avoid trapping air into the product. The mixing times for larger quantities will not be longer. Mix until the product appears even inside the container. There should be no milky or cloudy appearance at the end of the mixing. Do not mix more than 3 gallons at once. Beginners are advised to start with smaller quantities. Only mix the quantity you intend to use. Try to avoid getting drops of the unmixed material on your work surface because it will affect the curing as well as your final look since the drops are bound to have an adverse reaction to their counterparts.

## **CLEAN UP**

There are no restrictions for the disposal of cured products. Excess liquid materials can be disposed in the regular manner after mixing them together and allowing them to cure. Product disposal should follow the federal and provincial regulations. Proper solvent can be used to remove uncured materials. For warnings and how to use, follow the instructions of the solvent manufacturer.

## **LIMITATIONS**

The product curing time is determined by the volume produced and thickness. The quantity and shape of the poured volume can cause the curing times to vary significantly. There will be an exothermic reaction if the volume poured at a time is too large. Heavy smoke, amber color and uneven surface are some of the possible effects of an exothermic reaction. The product is best applied in stable room temperature. An overly high room temperature could lead to an exothermic reaction, while low temperature might prevent the product from curing. It is advisable to run some tests before using the products. An exothermic reaction could also occur when the product is heated to prevent bubbling. A dry substrate is needed. It is not advisable to apply this product to substrates with high moisture/humidity levels. Before application, the substrate moisture content must be <4%. It should not be used for any exterior applications. AdhesivesLab INC. has confirmed the quality of these products, however, they are not guaranteeing any result because they cannot control the surface preparation, application procedures and operating conditions. Clients have the responsibility of testing these products to see

how well they perform. AdhesivesLab INC is always available to answer any question you have on the product limitations.

### **SAFETY PRECAUTIONS**

Consult the Material Safety Data Sheet (MSDS) for specific instructions.

### **STORAGE**

Store in a heated warehouse. Do not freeze.

### **SHELF LIFE**

One year, in original unopened factory pails under normal storage conditions.

### **WARRANTY**

The recommendations made and the information here in is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Adhesiveslab Products, makes no warranties, expressed or implied, as uses and applications are beyond our control. Adhesiveslab Products. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

Adhesiveslab Product's liability, if any, is limited to a refund of the purchased price or replacement of that portion of the merchandise proven to be defective. Adhesiveslab Products shall have no other liability, including liability for incidental, consequential or result- ant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

This warranty may not be modified or extended by representatives of Adhesiveslab Products, it's distributors or dealers.”