



# ASACHEM (M) SDN. BHD. (Co. No.: 1992-0101-5904)

3, First Floor, Jalan Seksyen 3/8, Kajang Utama, 43000 Kajang, Selangor, Malaysia.

Tel : 603 - 8734 5998

Website: www.asachem.com

Email : info@asachem.com

## ASAMOULD 388 A/B

**DESCRIPTION** : ASAMOULD 388 A/B is a moderately reactive room temperature with two-component liquid epoxy system that is specially designed to enhance dimensional stability to cast mould, jigs, etc.

**substrate** : This product is designed for use as resin with wood, ceramic, vulcanized rubber, rigid plastics and other materials.

**specialty** : It provide longer pot life and higher viscosity from ASACAST 388 A/B. This product is designed for customer have another economic option without any others specific inquiry looking for Hardmould as backing system or Casting materials.

**Remark** :  
Once the ASAMOULD 388 A/B is cure, please remove the Epoxy from design. DON'T place overnight from original design due to it has bonding strength while it going to be fully cure.

**Pretreatment Of Surfaces** : The surfaces to be bonded or apply should be cleaned and degreased. Maximum bond strength is achieved by mechanically roughening and then degreasing the surfaces.

**Application**

* construction of vacuum deep-drawing	* castable
* foam moulding tool	* laminated material
* foam moulding fixture	* foam moulding jigs

**BENEFITS**

* Good chemical resistance	* polishable
* Excellent adhesion	* dimensional stability
* sandable	



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## As-supplied Properties :

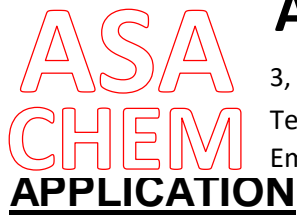
	<u>ASAMOULD 213</u>	
	A	B
Appearance :	Off White	Dark Beige
Viscosity At 25 deg C :	50 Pa.s	12 Pa.s
Density at 25 deg C :	1.5 Kg/L	1.15 Kg/L
Recommended Usage : Mixing Ratio (by weight)	100 part	20 part

## MIXED PROPERTIES

Appearance	:	Light Milky Liquid
Density at 25 deg C	:	1.44 pound / gallon
Viscosity At 25 deg C	:	43.6 Pa.s
Pot Life @ 25°C (100gm mass)	:	30 minutes
Curing Time @ 25°C	:	4 -6 hours
Full Curing Time @ 25°C	:	7 days

## TYPICAL PROPERTIES

Hardness @ 25°C	:	60 - 70 shoreness D
Flash point	:	N/A celcius
Maximum Tg	:	N/A
Water absorption (24h RT)	:	No absorption
Water absorption (2 Hours 100°C)	:	No absorption
Heat deflection temperature,	:	N/A
Tensile strength, psi	:	6,500
Tensile modulus,	:	N/A
Tensile elongation,	:	N/A
Flexural strength, psi	:	13,600
Flexural Modulus psi	:	326,000
Compressive Strength psi	:	11,000



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## **APPLICATION**

### **Mixing**

1.) Before Mixing, make sure **ASAMOULD 388 A/B** in the correct ratio **BY WEIGHT** and mix thoroughly until a uniform mixture is obtained. **THIS IS IMPORTANT !**

2.) Heat buildup during or after mixing is normal.

To reduce the likelihood of exothermic reaction or excessive heat buildup, mix less than 4,500 grams at a time. Mixing smaller amounts will minimize heat buildup.

### **Applying**

1.) Surfaces should be clean and free from oil, grease and contaminants before painting/potting/casting.

2.) For previously painted surfaces, remove all unstable paint film, loose chalk, dust and foreign matter.

3.) Repair any surface defects with ASA product and clean off.

4.) Once the Epoxy is applied, the bonded parts should be held in contact until the part has developed handling strength. Fixturing can be removed at this point. Since the full bond strength has not yet been attained, load application should be small at this time.

### **Cleanup**

1.) It is important to remove excess epoxy from the work area and application equipment before it hardens.

2.) Denatured alcohol and many common solvents are suitable for removing uncured adhesives.

### **Storage**

At least 12 months from the date of manufacture .

The resin and hardener should be stored in original, unopened containers around 25°C.

**KEEP THE PACKING TIGHTLY SEALED WHEN NOT IN USE.**

Store in a cool, dry place, away from the direct sunlight.

Care should be taken to avoid storage environments resulting in moisture contamination.

Exposure to moisture causes an increase in viscosity and reactivity.

### **Disclaimer**

The information given in this data sheet is based on the present state of our knowledge and any conclusion and recommendation are without liability on our part. Buyers and users should make their own assessment of our products under their own conditions and for their own requirements.