



# 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](http://www.asachem.com)

Email : [info@asachem.com](mailto:info@asachem.com)

## ASAMOULD 213 A/B/C

**DESCRIPTION** : ASAMOULD 213 A/B/C is a moderately reactive room temperature with three-component liquid epoxy system that is specially designed to enhance dimensional stability under heat, when apply with aluminum powder as filler.

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

**specialty** : It provide own control available, longer shelf life and recommended ratio from ASAMOULD 8723 A/B. This product is designed for use with liquid epoxy resins to give tough, heat resistance and chemical resistant thermoset coatings with room temperature cure.

**Remark** :  
If ASAMOULD 213 C absorbs moisture, it undergoes physical and chemical changes that degrade its quality and create significant safety hazards. Kindly filter out the moistured part and disposed before use.

Once the ASAMOULD 213 A/B/C is cure, please remove the Epoxy from design. DON'T place overnight from original design due to it has strong 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
* Adhesives, caulks and grouts	* injection mould for thermoplastic system

**BENEFITS**

* Good chemical resistance	* short settling time
* Excellent adhesion	* polishable
* higher hardness	* dimensional stability
* sandable	* High temperature resistance



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## As-supplied Properties :

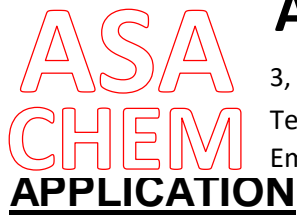
	ASAMOULD 213		
	A	B	C
Appearance :	Transparent	Amber	GREY
Viscosity At 25 deg C :	1.2 - 1.5 Pa.s	0.4 - 0.6 Pa.s	No Data
Density at 25 deg C :	1.17 kg/l	1.0 kg/L	2.7 g/cm <sup>3</sup>
Recommended Usage : Mixing Ratio (by weight)	200 part	100 part	300 part

## MIXED PROPERTIES

Appearance	:	Grey
Density at 25 deg C	:	1.9 pound / gallon
Viscosity At 25 deg C	:	39.25 Pa.s
Pot Life @ 25°C (100gm mass)	:	20 minutes
Curing Time @ 25°C	:	2 - 4 hours
Full Curing Time @ 25°C	:	7 days

## TYPICAL PROPERTIES

Hardness @ 25°C	:	84 shoreness D
Flash point	:	330 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	:	N/A
Tensile modulus,	:	N/A
Tensile elongation,	:	N/A
Flexural strength, psi	:	N/A
Flexural Modulus psi	:	N/A
Compressive Strength psi	:	N/A



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## **APPLICATION**

### **Mixing**

1.) Before Mixing, make sure **ASAMOULD 213 A/B/C** in the correct ratio **BY WEIGHT** and mix thoroughly until an 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.