



# 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

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## ASAMORTAR CV 1091 A/B

**DESCRIPTION** : ASAMORTAR CV 1091 A/B is a moderately reactive room temperature with two-component liquid epoxy system that is specially designed for Medium-setting, gel-like after mixing as reactive resin with poly amide.

**substrate** : This product is designed for use as resin with concrete, asphalt, metals, wood, ceramic, glass fiber, aramid and other materials.

**specialty** : It provide shorter pot life and higher viscosity from ASASIN 1091 LV5 A/B. This product is designed for use with liquid epoxy resins to give tough, chemical resistant thermoset coatings with room temperature cure.

**Remark** : 4-5 times silica sand can be added and mix thoroughly to use as sealant. Sand-filled floor topping compositions based on the resin/curing agent mixtures containing 600 to 800 parts of sand per 100 parts of resin.

**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**

* Masonry and pool coatings	* self-leveling floor coatings
* anti-corrosion insulation paint	* castable
* concrete patching	* laminated material
* laminating process in composite	* construction injection
* backing use in epoxy mould, jigs	

**BENEFITS**

* Good chemical resistance	* Excellent adhesion
* Excellent water and corrosion resistance	* Heat resistance
* Good Strength	* Room temperature cure



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## As-supplied Properties :

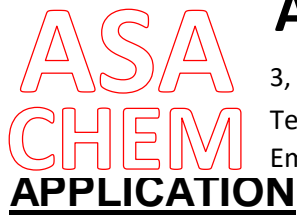
<u>ASASIN CV 1091</u>		
	<b>A</b>	<b>B</b>
Appearance :	Transparent	Pale Amber
Viscosity At 25 deg C :	1.2 - 1.4 Pa.s	0.8 - 1.2 Pa.s
Density at 25 deg C :	1.15 kg/l	1 Kg/L
Recommended Usage :	100 part	35 part
Mixing Ratio (by weight)		

## MIXED PROPERTIES

Appearance :	Clear Yellow Liquid
Density at 25 deg C :	9.5 pound / gallon
Viscosity At 25 deg C :	1.07 Pa.s
Pot Life @ 25°C (100gm mass) :	20 minutes
Curing Time @ 25°C :	4 hours
Full Curing Time @ 25°C :	7 days

## TYPICAL PROPERTIES

Bond Strength (Mid Steel)	N/mm <sup>2</sup> :	7
Compressive Strength	:	N/A
Elongation at break	% :	1
Flash point	celcius :	56
Flexural Modulus	KN/mm <sup>2</sup> :	3.2
Flexural strength,	N/mm <sup>2</sup> :	60
Hardness @ 25°C	shorenness :	81
Heat deflection temperature,	:	N/A
Maximum Tg	:	N/A
Tensile elongation,	:	N/A
Tensile modulus,	KN/mm <sup>2</sup> :	3.9
Tensile strength,	N/mm <sup>2</sup> :	39
Water absorption (2 Hours 100°C)	:	N/A
Water absorption (24h RT)	:	N/A



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## **APPLICATION**

### **Mixing**

1.) Before Mixing, make sure **ASAMORTAR CV 1091 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.