



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

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

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ASASIN 142N A ASAHARD 142N B

DESCRIPTION : ASASIN 142N A and ASAHARD 142N B is a moderately reactive room temperature with two-component liquid epoxy system that is specially designed for Slow-setting, liquid-like after mixing as reactive resin with poly amine.

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

specialty : It provide shorter pot life and higher viscosity from ASASIN 142VN A/B. This product is designed for use with liquid epoxy resins to give tough, chemical resistant thermoset coatings with room temperature cure.

Remark :
For deep cavity mould, do not pour in at one go as this may cause uncontrolled reaction of the mixture. Heat generated may distort the mould.
For deep cavity mould, it is advisable to pour in layer after layer just after the peak exothermic temperature of the reaction.

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

- * Industrial floor toppings and grouting
- * General purpose casting and encapsulation
- * Glaze and sealer high-build coatings
- * Decoupage
- * River Table

BENEFITS

- * very low viscosity and low vapor pressure
- * Chemical resistance
- * Solventfree
- * improved flexibility and good impact resistance
- * light color and improved color retention
- * longer pot life
- * High-Solid Content
- * Low heat cure
- * low odor
- * Transparent

compared to conventional amine-cured epoxy



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As-supplied Properties :

		<u>ASASIN 142N</u>	
		A	B
Appearance	:	Transparent	Clear Liquid
Viscosity At 25 deg C	:	1.4 - 1.8 Pa.s	16.4 Pa.s
Density at 25 deg C	:	1.1 kg/l	0.95 - 1.0 Kg/L
Recommended Usage	:	100 part	42 part
Mixing Ratio (by weight)	:		

MIXED PROPERTIES

Appearance	:	Clear Liquid
Density at 25 deg C	:	1.1 pound / gallon
Viscosity At 25 deg C	:	1.5 Pa.s
Pot Life @ 25°C (100gm mass)	:	180 minutes
Curing Time @ 25°C	:	8 - 13 hours
Full Curing Time @ 25°C	:	7 days

TYPICAL PROPERTIES

Hardness @ 25°C	:	65 - 73 shoreness D
Flash point	:	138 celcius
Maximum Tg	:	44 celcius
Water absorption (24h RT)	:	N/A
Water absorption (2 Hours 100°C)	:	N/A
Heat deflection temperature,	:	N/A
Tensile strength,	:	9,200 Psi
Tensile modulus,	:	N/A
Tensile elongation,	:	N/A
Flexural strength,	:	144,000 Psi
Maximum strain	:	0.16 ft lb/in
Flexural Modulus	:	500,000 Psi
Compressive Strength	:	11,500 Psi



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Mixing

1.) Before Mixing, make sure **ASASIN 142N A and ASAHARD 142N B** 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.

4.) 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.