

	<p><b>AA Composites – Platinum Premium Epoxies</b></p> <p><b>TDS – ART COAT Resin / ART COAT Hardener</b></p>
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**Description**

ART COAT is an unmodified liquid epoxy resin with medium viscosity produce from bisphenol-A and epichlorohydrin. It's viscosity is lower than normal 828 resin types and hence is preferred where lower viscosity plays important role in processing and application.

ART COAT Hardener is a medium viscosity, low colour, modified cycloaliphatic amine curing agent that does not contain any Nonyl Phenol.

The combined ART COAT Resin / Hardener system provides low colour, low viscosity and has a convenient 1:1 mix ratio by weight and volume. The system will cure under ambient conditions to produce clear glossy coatings and thin castings with high strength and blush resistance.

**Applications**

- Decoupage
- Clear castings
- 'Liquid Glass' Applications
- Transparent coatings

**Typical properties \***

**ART COAT Resin**

Appearance	Visual	Clear liquid, viscous liquid
Colour	ASTM D 1544-04	0.2 G
Epoxy Equivalent weight	ASTM D 1652-04	185 g/eq
Viscosity @25°C	ASTM D 2196-05	10,000 cP
Density at 25°C	ASTM D 1475-98	1.16 g/cc

**ART COAT Hardener**

Appearance	Visual	Slightly hazy liquid
Colour	ASTM D 1544-04	0.2 G
Viscosity @25°C	ASTM D 2196-05	1,100 cP
Amine value	DIN 16945	233 mg KOH/g
Density at 25°C	ASTM D 1475-98	1.041g/cc

\* = Typical properties are indicated for information only

Typical properties\*

**ART COAT Resin / Hardener**

Resin : Hardener mixing ratio	By weight& Volume	1:1
Pot life(150g mix)	TEC-AS-P-111	45 min
Mix viscosity at 25 °C		1476 cP
Thin film set time @25 °C		5 hrs
Tensile strength	ASTM D 638-86	17.7 MPa
Flexural strength	ASTM D 638-86	26.2 MPa
Compressive strength	ASTM D 695-85	35 MPa

**Chemicals stain**

The test method ASTM D1308 was followed to determine the effect of household chemicals on pigmented organic coatings. The samples were cured for 7 days at room temperature. The chemical reagent is placed in contact with the test surface for 4 hrs then removed with water.

Reagent	appearance	Reagent	appearance
Hot water	0	Vinegar	1
Cold water	0	Cocoa	0
50% ethanol	0	Coffee	0
10%HCL	1	MEK	3
Soap solution	0	Oil	1
50%NaOH	0	Vegetable oil	2
Red wine	1	Mustard	0
Tea	0	96%H2SO4	4
Ketchup	2	Beach	0

0= can resistance appearance not change  
 1=have some defect but till glossy  
 2=gloss reduce but till hard  
 3=gloss and hardness reduce  
 4=surface destroyed

**Packing**

ART COAT Resin and ART COAT Hardener are packed and delivered in 200 lit drums, as well as 250ml, 500ml, 1 ltr., 2 ltr. And 4 ltr retail containers as standard.

Other packs are available on request.

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**Storage**

ART COAT Resin / Hardener should be stored in original tightly closed container, in dry and warm conditions. Under these conditions, it has a storage life of at least one year from the date of manufacturing.  
As with any PURE epoxy, ART COAT Resin could develop crystals (not common). If this occurs? Then simply heat the container and its contents to 60 deg C for about 15 mins or until all crystals are dissolved.

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**Handling**

Please refer to the MSDS of the individual products for more instructions on safe storage and handling of ART COAT Resin & ART COAT Hardener.

**Disclaimer**

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

**For Additional Information, Please Contact:**

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