# Let's Get To Know Our Different Resins!

# Non-Toxic 2-IN-1®

Home-Safe Resin For Coating & Casting

# ARTCOAT®

High Viscosity Resin For Pouring, Coating & Doming

## HEATRESIST ®

Heat-Resistant Resin For Coating & Casting

## **ARTCAST**®

Low Viscosity Resin For Shallow Casting

#### RIVERCAST ®

Water-Like Resin For Deep Casting











Non-Toxic 2-in-1™ optically clear hybrid polymer resin formulated with excellent UV stability. With a medium viscosity, this versatile resin is suitable for both artwork coating and shallow casting. This resin is ASTM certified solvent-free. non-toxic. BPA-free and odour-free. making it safe for home use when used as directed. It can also be used as a food-safe coating once fully cured. This resin is sensitive to moisture and may cure slightly soft.

ArtCoat™ is an optically clear epoxy laminating resin formulated with excellent UV stability. This high viscosity resin is perfect for resin art pouring, seascape resin art, coating / sealing of artworks and doming of small items. It can be used on many surfaces such as canvas, metal, wood, concrete, glass, etc. It has a working time of up to 40 minutes (depending on size). ArtCoat™ is ASTM certified non-toxic. It can also be used as a food-safe coating once fully cured. This resin has a low odour.

HeatResist™ is an optically clear epoxy resin system formulated with excellent UV stability and a long working time of up to 1 hour (depending on size). HeatResist™ is suitable for coating and casting of small objects (up to 20mm deep or <1 litre) that require hardness, durability and surface heat resistance of 80 to 95°C. It is ASTM certified non-toxic. solvent-free and safe for incidental contact with food once fully cured. This resin has a low odour.

ArtCast™ is an optically clear epoxy resin system with excellent UV resistance. This resin is suitable for shallow casting of small objects such as jewellery, coasters and keychain pendants. Due to its low viscosity and long working time of up to 1 hour (depending on size), it has excellent bubble release. It cures very rigid and is highly durable, with a temperature resistance of 70 to 80°C. It is solvent-free, which makes it safe for incidental contact with food once fully cured. This resin has a mild odour.

RiverCast™ is an optically clear, slow-setting casting resin suitable for deep and large casts (up to 50mm deep and <12 litres per pour). This water-like resin is great for creating river tables, resin furniture and large objects as it has a long working time of up to 10 hours (depending on size). It cures extremely hard and has excellent air removal properties. It is solvent-free, which makes it safe for incidental contact with food once fully cured. This resin has a mild odour.

# **Key Advantages**

- User-friendly
- Great bubble release
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- BPA (Bisphenol)-free
- Safe for food contact

- High viscosity
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- Safe for food contact

- Low viscosity
- · Long working time
- Great bubble release
- High heat resistance
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- Safe for food contact

- Crystal clear clarity
- Low viscosity
- Long working time
- Great bubble release
- UV-resistant
- VOC-free, solvent-free
- Safe for food contact

- Very low viscosity
- · Long working time
- Excellent bubble release
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- Safe for food contact



# Which Resin Should I Use?

# Non-Toxic 2-IN-1®

Home-Safe Resin For Coating & Casting

# **ARTCOAT**®

High Viscosity Resin For Pouring, Coating & Doming

# HEATRESIST ®

Heat-Resistant Resin For Coating & Casting

# **ARTCAST**

Low Viscosity Resin For Shallow Casting

## RIVERCAST ®

Water-Like Resin For Deep Casting











## **Recommended For**

- Coating & art pouring
- Shallow casting (up to 20mm) of small objects
- · Resin art pouring
- Seascape resin art
- Coating / sealing of artworks
- Doming of small items

- Coating & shallow casting of objects that require surface heat resistance of 80-95°C
- Shallow casting (up to 20mm) of small objects that require hardness
- Deep casting (up to 50mm and <12 litres per pour) of river tables, furniture & large objects































#### **Not Recommended For**

- Pouring on large surfaces due to the short working time, unless done in batches
- Casting due to its high viscosity which traps a lot of bubbles
- Resin art pouring due to its low viscosity as the colours may bleed, unless intentional
- Clear coating as a reaction called amine blush may occur on the surface of the resin
- Shallow casting as it takes too long for the resin to cure



# What Are The Characteristics Of Each Resin?

Opened: 1 year

RESIN PLAY

	Non-Toxic 2-IN-1 <sup>®</sup> Home-Safe Resin For Coating & Casting	ARTCOAT High Viscosity Resin For Pouring, Coating & Doming	HEATRESIST Telephone Heat-Resistant Resin For Coating & Casting	ARTCAST Example 10 Constitution   Low Viscosity Resin For Shallow Casting	RIVERCAST (**) Water-Like Resin For Deep Casting
	Non-Toxic 2-th-1 <sup>th</sup> Remarks Barb No Casing Coulty Non-Toxic 2-th-1 <sup>th</sup> Remarks Barb No Casing Coulty Non-Toxic 2-th-1 <sup>th</sup> Remarks Barb No Casing Coulty Non-Toxic 2-th-1 <sup>th</sup> Non	ART CONT  ART CO	RESIDENCE PROPERTY OF THE PROP	ATCAST Law Variables Carry Law Variables For Strate Carry Law	RIVER CAST' When chash deads for for forgot Castron And Castron An
Mix Ratio (Resin : Hardener)	By weight - 1:0.9 By volume - 1:1	By weight - 1:0.9 By volume - 1:1	By weight - 2:1 By volume - 2:1	By weight - 2:1 By volume - 2:1	By weight - 2.2:1 By volume - 2:1
Mixed Viscosity (at 250g mixed mass)	<b>Medium</b> 3,300 - 3,500 mPa.s	<b>High</b> 4,400 - 4,700 mPa.s	<b>Low</b> 1,500 - 1,600 mPa.s	<b>Low</b> 1,200 - 1,300 mPa.s	<b>Very Low</b> 800 - 1,100 mPa.s
Working Time (at 250g mixed mass)	15 - 20 mins	25 - 40 mins	60 - 80 mins	60 - 90 mins	Up to 10 hours
Curing Time	Hard cure: 24 hours Full cure: 5 - 7 days				Hard cure: 3 - 4 days Full cure: 21 days
Heat Resistance* (Clear, Fully cured)	<b>Low</b> 45 - 50°C	<b>Low</b> 45 - 50°C	<b>Very High</b> 80 - 95°C	<b>High</b> 70 - 80°C	<b>Medium</b> 50 - 60°C
Hardness* (Clear, Fully cured)	<b>Hard / Soft</b> Shore 70 - 75D	<b>Hard / Soft</b> Shore 75 - 78D	<b>Hard</b> Shore 75 - 80D	<b>Hard</b> Shore 80 - 85D	<b>Very Hard</b> Shore 95D
Safe for Food Contact	All our resins are safe for food contact (not suitable for food preparation) after a full cure.				
Shelf Life	Unopened: 2 years				

<sup>\*</sup>The addition of pigments will lower the heat resistance and hardness

Shelf Life