SHREE BALAJI
TECHNO COATINGS
PVT. LTD.

# FOUNDRY RESINS

# About Us ...

SHREE BALAJI TECHNO COATINGS PVT. LTD.


SHREE BALAJI TECHNO COATINGS PVT. LTD.

## About Us ...

SHREE BALAJI Techno Coatings Pvt Ltd is a leading manufacturer of high-quality foundry resins. Our company was founded on the principles of innovation, expertise, and customer satisfaction.

## Our Team ...

Our team brings a unique blend of technical expertise, business acumen, and production experience :

With 30 years of experience in the segment, our team oversees the development and production of our foundry resins, ensuring the highest quality and efficiency.

Our business team brings extensive experience in managing client relationships, marketing, and sales, driving growth and expansion.

Our team oversees the manufacturing process, ensuring that our products meet the highest standards of quality and productivity.

## Our Products ...

At SHREE BALAJI Techno Coatings Pvt Ltd, we specialize in producing high-quality foundry resins that cater to the needs of various industries. Our products are designed to provide excellent performance, efficiency, and high casting quality.

## Our Mission ...

Our mission is to provide innovative, high-quality foundry resins that meet the evolving needs of our customers. We strive to build long-term relationships with our clients, delivering exceptional service and support.

We're committed to delivering exceptional products and services to our customers. Contact us today to learn more about our foundry resins and how we can support your business.

Shree Balaji Techno Coatings Pvt Ltd is a world class foundry resin manufacturing company with the concept of “Make In India”. We are situated in the midwestern of the India and competitively cater the foundry needs all over India and abroad also.

SHREE BALAJI TECHNO COATINGS PVT. LTD.

# Foundry Resins ...

- **Phenolic Resins** : High-strength, heat-resistant resins suitable for steel and iron casting applications.
- **Furan Resins** : Acid-catalysed resins known for their excellent dimensional stability and resistance to thermal shock.
- **Urea Resins** : Cost-effective resins suitable for casting applications where high strength is not critical.
- **Polyurethane Resins** : Flexible and abrasion-resistant resins used in various casting applications.
- **Alkaline Phenolic Resins** : Environmentally friendly resins with low emissions, suitable for iron and steel casting applications.
- **Acid-Cured Resins** : Fast-curing resins used in rapid production casting applications.
- **Specialty Resins** : Custom-formulated resins designed for specific casting applications, such as high-temperature or corrosion-resistant resins.

## Benefits of Our Foundry Resins :

- **High** strength and durability
- **Excellent** dimensional stability
- **Resistance** to thermal shock and abrasion
- **Environmentally** friendly options available
- **Custom** formulations available for specific applications

## Our Customer Segment :

- **Iron Foundry** : Produces cast iron products, such as engine blocks, pipes, and machinery components.
- **Steel Foundry** : Produces steel castings for various industries, including automotive, construction and machinery.
- **Aluminum Foundry** : Produces aluminum castings for applications such as automotive, aerospace and consumer goods.
- **Copper Foundry** : Produces copper castings for electrical and thermal applications.
- **Non-Ferrous Foundry** : Produces castings from non-ferrous metals like aluminum, copper, brass and bronze.

## Industry Segments Served :

- **Automotive** : Engine blocks, cylinder heads, gearboxes, and other components.
- **Aerospace** : Components for aircraft and spacecraft.
- **Construction** : Pipes, fittings, and other infrastructure components.
- **Machinery** : Components for industrial machinery, agriculture, and mining.
- **Railway** : Components for locomotives and rail infrastructure.

## Applications :

- Castings for machinery and equipment
- Automotive parts
- Pipes and fittings
- Valves and pumps
- Aerospace components

FOUNDRY RESINS

# Foundry Resins ...

SHREE BALAJI TECHNO COATINGS PVT. LTD.

## HEIZEN RESIN (SHELL RESIN)

### Key Uniqueness :

- **High Strength-to-Weight Ratio** : Shell resin provides excellent strength while minimizing weight, making it ideal for complex castings.
- **Dimensional Accuracy** : Shell resin ensures high dimensional accuracy and surface finish, reducing post-casting machining needs.
- **Thermal Stability** : Shell resin exhibits excellent thermal stability, allowing for high-temperature casting applications.
- **Low Gas Evolution** : Shell resin minimizes gas evolution during casting, reducing defects and improving casting quality.
- **Flexibility** : Shell resin can be formulated to suit various casting applications and metal types.

### Benefits :

- **Improved Casting Quality** : Shell resin ensures high-quality castings with minimal defects.
- **Increased Efficiency** : Shell resin's high strength and dimensional accuracy reduce post-casting processing needs.
- **Versatility** : Shell resin can be used for various casting applications and metal types.

### Applications :

- **Complex Castings** : Shell resin is ideal for producing complex castings with intricate details.
- **High-Temperature Castings** : Shell resin's thermal stability makes it suitable for high-temperature casting applications.
- **Precision Castings** : Shell resin ensures high dimensional accuracy, making it suitable for precision casting applications.

**The uniqueness of shell resin lies in its ability to provide high-quality castings with excellent dimensional accuracy, strength, and thermal stability.**

## EIMER RESIN (PNB ACID CURE)

### Key Uniqueness :

- **Fast Cure Time** : Acid-cured phenolic resin offers fast cure times, increasing production efficiency.
- **High Strength** : Provides high-strength castings with excellent dimensional stability.
- **Excellent Surface Finish** : Produces castings with smooth surface finishes, reducing post-casting machining needs.
- **Chemical Resistance** : Exhibits good chemical resistance, making it suitable for various casting applications.
- **Versatility** : Can be used for various metal casting applications, including iron, steel, and non-ferrous metals.

### Benefits :

- **Increased Productivity** : Fast cure times enable higher production rates.
- **Improved Casting Quality** : High strength and dimensional stability ensure high-quality castings.
- **Reduced Machining** : Smooth surface finishes reduce post-casting machining needs.

### Applications :

- **Iron and Steel Castings** : Suitable for producing complex iron and steel castings.
- **Non-Ferrous Castings** : Can be used for casting non-ferrous metals like aluminum and copper.
- **Large Castings** : Ideal for producing large castings with complex geometries.

**The uniqueness of Phenolic No-Bake Acid Cure Resin lies in its fast cure time, high strength, and excellent surface finish, making it a popular choice for various casting applications.**

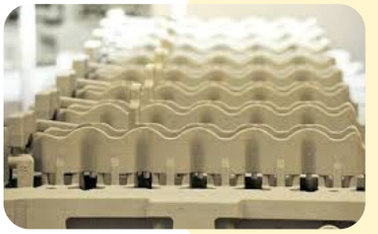
# Foundry Resins ...

SHREE BALAJI TECHNO COATINGS PVT. LTD.

## KALTEBOX RESIN (COLDBOX RESIN)

(An amine gas cured phenol formaldehyde pu resin)

### Key Uniqueness :



- **Fast Cure Time** : Cold Box Resin cures quickly at room temperature, increasing production efficiency.
- **High Strength** : Provides high-strength cores with excellent dimensional stability.
- **Low Gas Evolution** : Minimizes gas evolution during casting, reducing defects and improving casting quality.
- **Excellent Surface Finish** : Produces cores with smooth surface finishes, reducing post-casting machining needs.
- **Environmentally Friendly** : Can be formulated to be more environmentally friendly compared to other resin systems.

### Benefits :

- **Increased Productivity** : Fast cure times enable higher production rates.
- **Improved Casting Quality** : High strength and dimensional stability ensure high-quality castings.
- **Reduced Machining** : Smooth surface finishes reduce post-casting machining needs.

### Applications :

- **Core Production** : Ideal for producing complex cores for various casting applications.
- **Automotive Castings** : Suitable for producing cores for automotive castings, such as engine blocks and cylinder heads.
- **Industrial Castings** : Can be used for producing cores for industrial castings, such as machinery and equipment components.

**The uniqueness of Cold Box Resin lies in its fast cure time, high strength, and low gas evolution, making it a popular choice for core production in various casting applications.**

## BTALFA RESIN (ALFASET RESIN)

(High alkaline phenol formaldehyde ester cured resin)

### Key Uniqueness:

- **Environmentally Friendly** : Alfaset resin is known for its low toxicity and reduced environmental impact compared to other resin systems.
- **High** Strength : Provides high-strength castings with excellent dimensional stability.
- **Good** Thermal Stability : Exhibits good thermal stability, making it suitable for high-temperature casting applications.
- **Low** Odor : Has a lower odor compared to other resin systems, improving working conditions.
- **Excellent** Casting Quality : Produces castings with good surface finish and minimal defects.

### Benefits :

- **Reduced Environmental Impact** : Alfaset resin's lower toxicity and environmental impact make it a more sustainable choice.
- **Improved Working Conditions** : Lower odor and reduced toxicity improve working conditions for foundry workers.
- **High-Quality Castings** : Alfaset resin produces castings with excellent dimensional stability and surface finish.

### Applications :

- **Iron and Steel Castings** : Suitable for producing high-quality iron and steel castings.
- **Complex Castings** : Ideal for producing complex castings with intricate details.
- **High-Temperature Castings** : Can be used for high-temperature casting applications due to its good thermal stability.

**The uniqueness of Alfaset resin lies in its environmentally friendly characteristics, high strength, and good thermal stability, making it a popular choice for foundry applications.**

# Foundry Resins ...

SHREE BALAJI TECHNO COATINGS PVT. LTD.

## FURASOL RESIN (FURAN RESIN)

**(ACID CURED FURAN NOBAKE RESIN)**

### Key Uniqueness :

- **High Dimensional Stability** : Furan resin exhibits excellent dimensional stability, ensuring accurate casting dimensions.
- **Thermal Shock Resistance** : Furan resin shows good resistance to thermal shock, reducing cracking and defects.
- **High Strength** : Furan resin provides high-strength castings with excellent mechanical properties.
- **Chemical Resistance** : Furan resin exhibits good chemical resistance, making it suitable for various casting applications.
- **Low Gas Evolution** : Furan resin minimizes gas evolution during casting, reducing defects and improving casting quality.

### Benefits :

- **Improved Casting Quality** : Furan resin's properties ensure high-quality castings with minimal defects.
- **Increased Efficiency** : Furan resin's dimensional stability and thermal shock resistance reduce post-casting processing needs.
- **Versatility** : Furan resin can be used for various metal casting applications.

### Applications :

- **Iron and Steel Castings** : Suitable for producing high-quality iron and steel castings.
- **Complex Castings** : Ideal for producing complex castings with intricate details.
- **High-Temperature Castings** : Can be used for high-temperature casting applications.

**The uniqueness of Furan resin lies in its combination of dimensional stability, thermal shock resistance, and high strength, making it a popular choice for various casting applications.**

## COZHILFE RESIN

**(CO2 CURE PHENOLIC NOBAKE RESIN)**

### Key Uniqueness :

- **Fast Cure Time** : CO2 curing accelerates the resin's curing process, increasing production efficiency.
- **Environmentally Friendly** : CO2 curing is a more environmentally friendly option compared to traditional acid-cured systems.
- **High Strength** : Provides high-strength castings with excellent dimensional stability.
- **Low Odor** : CO2 cure phenolic no-bake resin has a lower odor compared to traditional acid-cured systems.
- **Good Casting Quality** : Produces castings with good surface finish and minimal defects.

### Benefits :

- **Increased Productivity** : Fast cure times enable higher production rates.
- **Improved Working Conditions** : Lower odor and environmentally friendly curing process improve working conditions.
- **High-Quality Castings** : CO2 cure phenolic no-bake resin produces castings with excellent dimensional stability and surface finish.

### Applications:

- **Iron and Steel Castings** : Suitable for producing high-quality iron and steel castings.
- **Complex Castings** : Ideal for producing complex castings with intricate details.
- **Large Castings** : Can be used for producing large castings with complex geometries.

**The uniqueness of CO2 cure phenolic no-bake resin lies in its fast cure time, environmentally friendly curing process, and high-strength castings, making it a popular choice for various casting applications.**

# Research & Development (R&D) in Foundry Resins at Shree Balaji Techno Coatings Pvt Ltd

SHREE BALAJI TECHNO COATINGS PVT. LTD.

At Shree Balaji Techno Coatings Pvt Ltd, our R&D team is dedicated to developing innovative foundry resin solutions that enhance the quality, efficiency, and sustainability of casting processes. We strive to stay at the forefront of foundry resin technology, addressing the evolving needs of our customers.

## *Our R&D Focus Areas in Foundry Resins :*

- **Resin Formulation** : Developing customized resin formulations that meet specific casting requirements.
- **Process Optimization** : Optimizing resin application processes to improve casting quality, reduce defects, and increase productivity.
- **Sustainability** : Exploring eco-friendly and sustainable resin options that minimize environmental impact.

## *Our R&D Capabilities :*

- **Advanced Laboratory Facilities** : Equipped with state-of-the-art testing and analysis equipment.
- **Experienced Team** : Our R&D team consists of experienced, engineers, and technicians with expertise in foundry resins.
- **Collaboration** : We collaborate with foundries, research institutions, and industry partners to stay updated on the latest trends and technologies.

## *Benefits of Our R&D Efforts :*

- **Improved Casting Quality** : Our R&D efforts lead to the development of high-performance resin solutions that enhance casting quality and reduce defects.
- **Increased Efficiency** : Optimized resin application processes improve productivity and reduce waste.
- **Competitive Advantage** : Our innovative resin solutions help our customers stay ahead of the competition.

## *Our Commitment :*

At Shree Balaji Techno Coatings Pvt Ltd, we are committed to investing in R&D to drive innovation, improve our foundry resin solutions, and meet the evolving needs of our customers in the foundry industry.





Research & Development ...


By Road ...

- **Mumbai** 450 Km.
- **Pune** 270 Km.
- **Goa** 240 Km.
- **Bangaluru** 600 Km.

# SHREE BALAJI TECHNO COATINGS PVT. LTD.

*Manufacturers of Foundry Resins*


## Our Vission

***"Our Vission is to be a trusted leader in the foundry industry, delivering high-performance resin solutions that enhance customer success, drive growth and promote sustainability."***

## Contact Us ...

**SHREE BALAJI TECHNO COATINGS PVT. LTD.**

*Manufacturers of Foundry Resins*

Plot No. C-3/6 & C-3/7, Five Star MIDC Kagal, Kolhapur - 416236 (MS) INDIA.

+91 **98228 59995/90294 09580** **shreebalajichemicals356@yahoo.com**