



GARGI HÜTTENES-ALBERTUS





GHA Plant - Nerul, New Mumbai

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GARGI HÜTTENES ALBERTUS is a joint venture of Gargi and Huttenes Albertus Chemische Werke GmbH, Germany, world leaders in Resin and Coatings for Foundry Industry.

Since 1987 this unique joint venture is serving the Indian Foundry Industry with world class products and providing latest technology with tailor made resins and coatings for foundry industry.

The State-Of-The-Art manufacturing plants are located at New Mumbai & Khopoli in Western India and Fujairah, UAE.

The Company works with quality management in accordance with ISO 9001-2000, (certified by RWTUV Systems GmbH, Germany).

The Gargi In-House R & D Centre (recognized by the Dept. of Science and Technology, Govt. of India) manned by highly skilled team, successfully tailor make Resins and Coatings to meet the quality requirements of each customer.

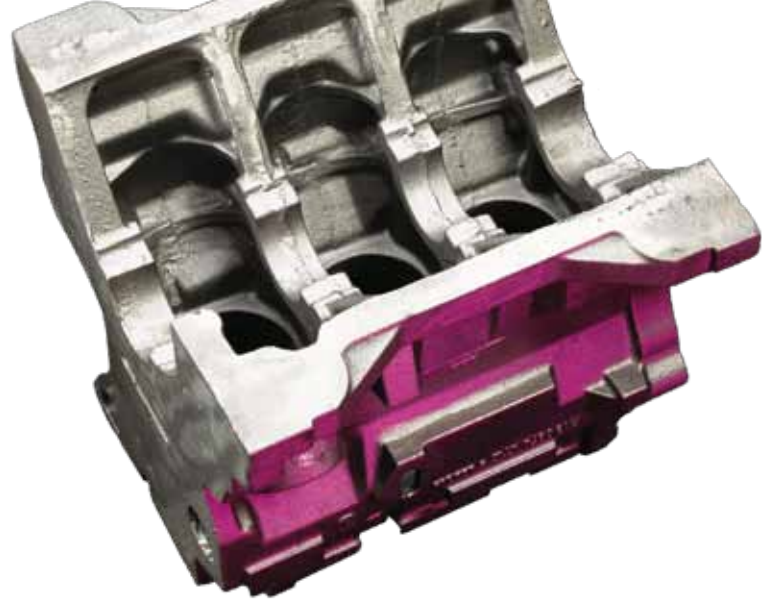


We developed the concept of technological partnership with foundries to be a complete solution oriented partner and thereby serve the industry

We guarantee high levels of Quality with our products from start to finish. We not only deliver in terms of product quality but also guarantee supply capability and speedy delivery.

The technology is backed by M/s. Huttenes Albertus Chemische Werke. We are the Indian arm of this Global Group of Companies who openly share their specific expertise making it readily available to other markets.

Effectively when you work with us you are working with an entire Network of Specialists, worldwide.



For closer Customer Contact, our Foundry Solution Experts' Teams are located at 18 places all over India, whom you can rely upon for any technical support.

Resin for Moulds & Cores

Chemical binders are used to produce Moulds & Cores for all types of CI, SGI, Steel & Non Ferrous Castings. They can be classified under 3 categories:

No Bake

Heat Cured

Gas Cured

Strict control of basic silica sand is essential to get required properties and finish.

No Bake

**Phenolic Acid Cured
Sinotherm TN-1214 &
Hardner S-1214**

This is a two part system consisting of Resin & Hardner for making moulds and cores. Suitable for Ferrous, Non Ferrous and Steel Castings. Reclamation property up to 85 %. Sinotherm TN-1214 is phenolic resin (Part-I) and Hardner S -1214 is an acid catalyst (Part-II).

**Phenolic Urethane: Pentex System
Pentex-2691, Activator-1250 & Catalyst-1251**

This is a three part system of fast curing binders consisting of Resin, Activator & Catalyst for making moulds and cores. Excellent control over bench life to strip time is achievable. Suitable for Ferrous, Non Ferrous and Steel castings. Pentex-2691 is phenolic Resin (Part-I), Activator-1250 is Polymeric Isocyanate (Part-II) & Catalyst-1251 is catalyst (Part-III).

**Phenolic Ester
Synotherm 5022 &
Hardener 3340**

This is a two part system ester cured alkaline system used for making moulds and cores production. Suitable for Ferrous, Steel & Non-Ferrous Casting. Sinotherm -5022 is highly alkaline phenolic resin (Part-I) & Activator-3340 is an ester. Reclamation property upto 65 -70 %. Environmental friendly system.

**Furan Acid cured
Kaltharz series &
Activator 100 T3**

This is a two part system of Resin & Activator used for the mould and cores production suitable for Ferrous, Steel and Non-Ferrous Castings. Reclamation property upto 90% and high hot strength compared to phenolic acid cured. We have different grades having Nitrogen level 0-12%. Kaltharz-70 P, 9011, 90IC, U185, U265 are Furan Resin (Part-I) & Activator 100 T3 is the common acid catalyst.



GHA plant - Khopoli





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Phenolic Hot Box
Resital-6861 & Catalyst-6593

This is a two part system normally used to make cores specially for Automobile components. Resital-6861 is UF-PF resin (Part-I), Konserver & Catalyst-6593 is an ammonium salt (Part-II).

Shell-Novalac
Resital Series & Hardner 4920

This is a two part system of synthetic Resin and Hardner for warm and hot coating of sand for shell process. Suitable for Ferrous, Steel and Non-Ferrous Castings. Resital-4920, Resital-5100, Resital-5100(SS), Resital-4920/HSLD, Supraplast-6216 are Phenolic Resin (Part-I) and Hardner-R 4920 is the common powder catalyst (Part II).

Gas Cured
Phenolic Urethane Amine
Cold Box System- Gasharz-5271
Activator-4108 & Catalyst-5271

This is a three part system consisting of Resin & Activator and Amine Gas as the Catalyst. This system is used for mass production of cores. Suitable for Ferrous, Steel and Non-Ferrous Castings. Gasharz-5271, Gasharz-6348 are Phenolic resin (Part-I), Activator-4108, Activator-5333 are Polymeric Isocyanate (Part-II), and Catalyst-5271 (Part-III) is an amine gas.

Phenolic Co2
Carbophene

This is a single part system. Carbophene is phenolic resin (part-1) and is cured by co2 gas. Suitable for Ferrous castings. Excellent collapsibility and fast production is the main feature of this process.

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Refractory Coatings

Refractory coatings play an important role in metal castings. They act as a barrier between molten metal and sand surface to prevent metal substrate reaction and impart excellent casting surface finish, free from defects like veining, blow holes and sand fusion.

The Coatings are available in:

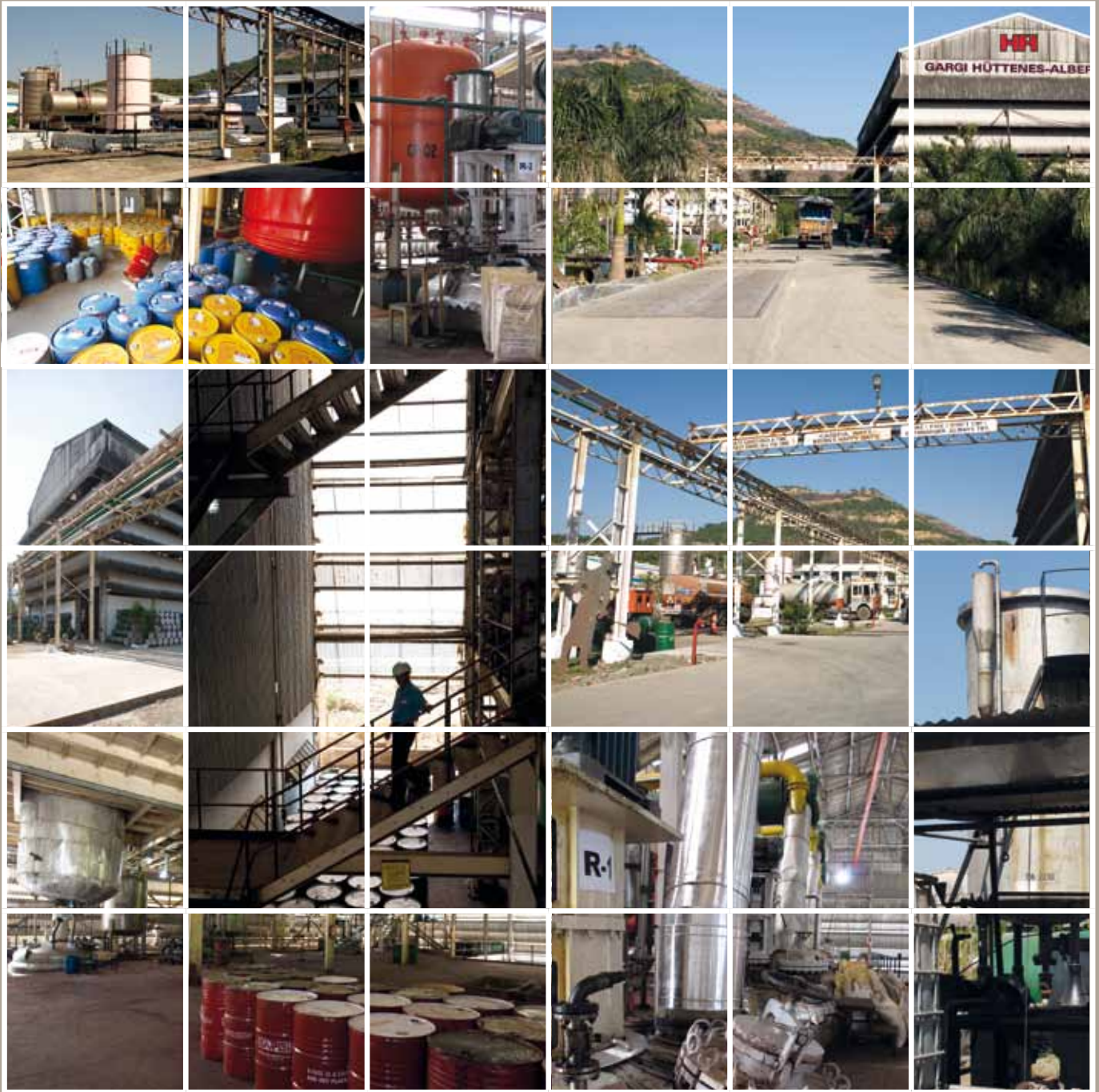
- Water and Solvent Base.
- Suitable for the cores and moulds made by Cold Box, Phenolic Resin, Furan Resin, Hot Box, Alkyd Resin, Shell System, Green Sand, Sodium Silicate and Core Oils.
- Powder, Paste and Ready to use forms for different applications- dipping, brushing, spraying and flooding.
- With Fillers of zircon, graphite, aluminium silicate, magnesite and other refractories.

Coverage and Adhesion are phenomenal properties to impart freedom from drips, sagging and no cracks development on dried film.



Heat Cured
Furan Hot-Box
Thermoset U6040 &
Hardner 6040

This is a two part system used for making intricate cores for automobile industries. Good collapsibility. Suitable for making Ferrous Castings. Thermoset U6040 is UF-FA Resin (Part-I) Konserver & Hardner 6040 is an ammonium salts.



GARGI HÜTTENES-ALBERTUS
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