

# Ashacoat

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## AshaCoat Product Feature



Contact us

### AshaCoat

#### Factory :

Sy. # 36/4-5, Kouthamaranahalli, Haralur Post, Gulur Hobli, Via Kyatasandra,  
Tumkur Tq. & Dist. Karnataka State, PIN: 572 104.

#### Office :

# 1233, "Santrupty", 8th Main, 2nd Cross, (Left) Behind Ford Service station,  
Bhuvaneshwarinagar, Hesaraghatta Road, Dasarahalli, Bangalore - 560 057

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## ABOUT US

We are pleased to introduce ourselves, as a **manufacturer of 'RESIN COATED SAND'** Used in foundry for Shell Mould & Shell Cores required by the foundry industry.

Mr. H.S. Nagaraj started this manufacturing unit. The company is run by professional and is handed by Mr. H.S. Nagaraj who has nearly 3 ½ decades of experience in this field. The Supervisors, Staff & workers have excellent knowledge and experience to consistently maintain quality as per customers' standard and specification.

This **plant** is located in an area of around 2.00 acres of Industrial converted land attached to industrial property with sufficient power. The company has installed machinery to produce 1000 MT of coated sand per month. We also have an up to date laboratory to check for HTS, CTS, Stick Point, LOI, Peel Back etc. With the dedicated Band of employees having rich experience and the company is **certified with 9001: 2008**, we are in a strong position to meet customer's requirements satisfactorily.

The Manufacturing unit is Situated near Tumkur just 10 Kms from Bangalore-Mumbai High Way NH4. The distance from Bangalore railway station is 75 Kms and having all required facility to operate the establishment without interruption to the daily production.



## PRODUCTS

### FERROUS CASTINGS

Weight of core 0.5 Kgs upto 8 – 10 Kgs joint method of cores or moulds and weight of Castings excluding runners and risers - 40 – 50 Kgs. 4 – 5 grades of Resin Coated sand is available starts from AFS 40 – 45 to 90 – 100 depends upon the Customer's specifications i.e., % of Resin starts from 2.5% to 6%.

**Ferrous castings:** for the components of automotive industries cylinder heads water jacket cores, gear boxes etc. also available as per customer's specification.



## NON FERROUS CASTINGS

For copper based alloy castings, phosphorous bronze and gun metal etc different grades of Resin Coated Sand is available with Resin addition 3.0% to 5% starts AFS 40-40 to 95 – 100.

We are Pioneer in developing **Shell sand** especially for the **Aluminum base Alloy castings**

We manufacture and supply various grades of silica sand and also available as per customer specifications.



## ALUMINIUM

Suppliers of Resin Coated sand to automotive industries since 15 years for water jacket and cylinder head castings etc (to leading car manufacturing company in India).



## SPECIAL GRADE ALUMINIUM

Special grade of shell sand is available for electric thermal receiving stations, aeronautical components and for investment castings. Apart from the above we can develop required specific grade of Resin Coated Sand as per customer's specifications.

## QUALITY

We have an up to date laboratory to check for HTS, CTS, Stick Point, LOI, Peel Back etc.

The process involves getting Raw Sand from Coastal belt like Karnataka, Kerala and Gudur in Andhra Pradesh. The silica sand got from these sources is 99.9% pure Silica which traces of Clay. These are deposits made millions of years back and they are absolutely suitable for the process. The process is described in detail.

The raw Silica Sand that is received may contain moisture depending upon the season. If wet it is dried using the sand drier or dried in the open using natural sun light. The Silica Sand is graded by Sieving to make it suitable as per the customers' Specification. Each customer has a difference specification for the sieve grading.



The required quantity of Raw Sand is loaded into the Muller of the Coating Plant on controlled heat condition. Hexamine which is the catalyst is added to this. At present we are manufacturing more than 25 grades of Resin Coated Sand suitable for all Ferrous and Non Ferrous castings After the Hexamine is mixed properly the liquid Resin of required quantity is added and allowed to Mull for certain period.



Now hot air is passed over the mix to remove the solvent from the resin. The dried sand is discharged and the discharge temperature is noted after which it is sieved, cooled and packed in 50 kgs bags ready for dispatch. The batch Number, date of manufacture, customer's name etc is written on each gag to identify the product. The Resin Coated Sand is checked for Hot Tensile Strength, Cold Tensile Strength, Stick Point, Peel Back, Loss on Ignition and other parameters to verify the adherence of the Coated Sand to the specifications given by the Customer.



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