

Adhesives and Sealants, Industrial Adhesives, Glues, Gums & Binders, Synthetic Resin, Resins

(Guar Gum, Adhesive [Fevicol Type], Sodium Silicate Adhesive, Hot Melt Adhesives, Rubber Based Adhesive, Acrylic Adhesives, Guar Gum Powder, Gum Arabic)

Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule, Working Capital Requirement, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

Adhesives and Sealants

Adhesive may be used interchangeably with glue, cement, mucilage, or paste, and is any substance applied to one surface, or both surfaces, of two separate items that binds them together and resists their separation. There are basically two types of adhesives: resin-based and gum-based. The main application areas of the product are furniture, construction, paints and stationery. In between the two types, there are various categories of adhesives sold in the market place. These include:

Natural Adhesives: From inorganic mineral or biological sources such as vegetable matter, starch or dextrin, natural resins; animal skin, and bio-adhesives;

Synthetic Adhesives: Based on elastomers and thermosetting adhesives;

Drying adhesives: a mixture of ingredients (typically polymers) dissolved in a solvent with the solvent evaporating and the adhesive hardens;

Contact Adhesives: Applied to both surfaces and allowed some time to dry before the two surface are pushed together. Contact adhesives find use in laminates, such as bonding Formica to a wooden counter, and in footwear;

Hot Adhesives: Thermoplastic adhesives, also known as "hot melt" adhesives, applied hot and simply allowed to harden. These adhesives have become popular for crafts because of their ease of use and the wide range of common materials to which they can adhere;

Reactive Adhesives: A reactive adhesive works either by chemical bonding with the surface material or by in-situ hardening as two reactant chemicals complete a polymerization reaction, usually applied in thin films;

Pressure Sensitive Adhesives: Which form a bond by the application of light pressure to marry the adhesive with the adherant, designed with a balance between flow and resistance.

The market size of all types of adhesives is very large and growing. Of this, the premium products account for some 45%. Quantitatively, the overall market size is growing annually at 11%.

Over the last few years, the adhesive business has seen global players setting up new capacities in India. With customs duty nearing ASEAN levels, competition will further intensify from imports as well as the low cost local players.

Industrial adhesives are fluids or gels, which help in holding two surfaces together by sticking to both of them and preventing their joint movement. They include glues and adhesives.

The market for adhesives and sealants is comprised of thousands of end uses. The realm of market applications expands as new end uses keep developing, driven by the need for new and innovative attachment solutions. Adhesives and sealants market is expected to reach USD 18.79 billion by 2020. Positive demand outlook from key end use industries including automotive and construction, mainly in India, is expected to be a key driving force for the market over the next six years.



The growth of the emerging markets has not only a positive impact on the volumes of adhesives and sealants consumed (especially in the construction and industrial sectors) but also on the level of technological demand.

Growing demand from packaging industry is expected to drive the market for waterborne adhesives. These are used in label applications, packaging tapes, office tapes, flexible laminations and food packaging as they offer improved chemical and heat resistance. Due to advantages waterborne adhesive it offers and non reactive nature they are proffered in food packaging applications. Further growing demand from automotive industry is expected to drive the market for waterborne adhesives. These are used in interior structures such as dashboards head linings and others. Automotive industry is driven by demand from middle class consumer groups from developing countries such as Brazil, India and China.

Gums and Resins

True gums are formed from the disintegration of internal plant tissues, mostly from the decomposition of cellulose in a process called gummosis. Gums contain high amounts of sugar and are closely allied to the pectins. Gums are especially common in plants of dry regions. They are used primarily as adhesives, and are also used in printing and finishing textiles, as a sizing for paper, in the paint and candy industries and as drugs.

Resins are formed as oxidation products of various essential oils and are very complex and varied in chemical composition. The resin is usually secreted in definite cavities or passages. Resins are also used in medicine; for sizing paper; as a stiffening material for mats; in the preparation of sealing wax, incense and perfumes; and for many other purposes as well.



Resins, gums and latex are almost ubiquitous in the plant kingdom and many of them continue to play an important role in our daily lives. Numerous plants produce some kind of resin, latex or gum, but only a few are commercially important today, even though their uses and applications are truly manifold. They have been used as adhesives, emulsifiers, thickening agents, they are added to varnishes, paints and ink; they lend their aromas to perfumes and cosmetics and even play a role in pharmacy and medicine.

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on required Project.

For more details, Click on below link

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- **Adhesive (Fevicol Type):** Fevicol type adhesives are synthetic resins and latex adhesives made from PVA. PVA (Polyvinyl Acetate) is used in adhesives for bookbinding, paper bags, milk cartons, drinking straws, envelopes, gummed types, folding boxes, labels and common products like foils, films, paper board etc.....Read more

- **Guar Gum:** Guar gum is one of the few products having very good export potential. Guar is a leguminous plant being grown in semi arid regions of India, Pakistan, USA. etc. The manufacture of guar gum, being an agro and resource based industry, has a great scope for.....[Read more](#)
- **Sodium Silicate Adhesive:** Commonly known as water-glass soluble sodium silicate and colorless low cost inorganic materials when used as adhesive liquid silicates offer significantly low cost, versatility and ease of handling. Their main use is to bond porous substrates such as paper and cardboard where an inexpensive.....[Read more](#)

- **Rubber Based Adhesives:** Polychloroprenes, is the basis for one of the largest and most important groups of rubber adhesives. Four important applications for polychloroprene contact adhesive are bonding of high pressure plastic laminates, automotive adhesives, shoe adhesive and.....[Read more](#)
- **Guar Gum Powder Using Splits:** Guar is also called guaran, is a Galactomannan. It is primarily the ground endosperm of guar beans. The guar seeds are dehusked, milled and screened to obtain the guar gum. It is typically produced as a free flowing, pale, off-white colored, coarse to fine ground powder.....[Read more](#)

Major Queries/Questions Answered in our Report?

- 1. How has the industry performed so far and how will it perform in the coming years?**
- 2. What is the Project Feasibility of the Plant?**
- 3. What are the requirements of Working Capital for setting up the plant?**
- 4. What is the structure of the industry and who are the key/major players?**
- 5. What is the total project cost for setting up the plant?**
- 6. What are the operating costs for setting up the plant?**

- 7. What are the machinery and equipment requirements for setting up the plant?**
- 8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?**
- 9. What are the requirements of raw material for setting up the plant?**
- 10. Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?**
- 11. What is the Manufacturing Process and Formulations of the plant?**

- 12. What is the total size of land required for setting up the plant?**
- 13. What will be the income and expenditures for the plant?**
- 14. What are the Projected Balance Sheets of the plant?**
- 15. What are the requirement of utilities and overheads for setting up the plant?**
- 16. What is the Built up Area Requirement and cost for setting up the plant?**

- 17. What are the Personnel (Manpower) Requirements for setting up the plant?**
- 18. What are Statistics of Import & Export for the Industry?**
- 19. What is the time required to break-even?**
- 20. What is the Break-Even Analysis of the plant?**
- 21. What are the Project financials of the plant?**
- 22. What are the Profitability Ratios of the plant?**

- 23. What is the Sensitivity Analysis-Price/Volume of the plant?**
- 24. What are the Projected Pay-Back Period and IRR of the plant?**
- 25. What is the Process Flow Sheet Diagram of the plant?**
- 26. What are the Market Opportunities for setting up the plant?**
- 27. What is the Market Study and Assessment for setting up the plant?**
- 28. What is the Plant Layout for setting up the plant?**

Reasons for buying our report:

- The report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product
- The report provides vital information on the product like it's characteristics and segmentation
- The report helps you market and place the product correctly by identifying the target customer group of the product

- **The report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

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Gums, Adhesives & Sealants Technology
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NIIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company

Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.

We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Business Plan*
- *Market Research Reports*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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