



MAHESHWARI
STARCHTECH



**BONDING
SOLUTIONS
FOR THE
CORRUGATING
INDUSTRY**

'KRAFTING BONDS THAT LAST A LIFETIME'

ABOUT US

Welcome to Maheshwari Starchtech Pvt Ltd, a trusted name in adhesive solutions pan India. With decades of experience and a commitment to innovation, we pride ourselves on delivering high-quality modified starches (Adhesives) that meet the diverse needs of paper packaging industry.

At MSPL, we understand the importance of reliable bonding solutions in today's fast-paced world. That's why we invest heavily in research and development to continuously improve our products, staying ahead of market trends and technological advancements to meet with our customers' demands.

Our team of experts is dedicated to providing unparalleled customer support, working closely with clients to understand their specific requirements and deliver customized adhesive solutions that exceed expectations.

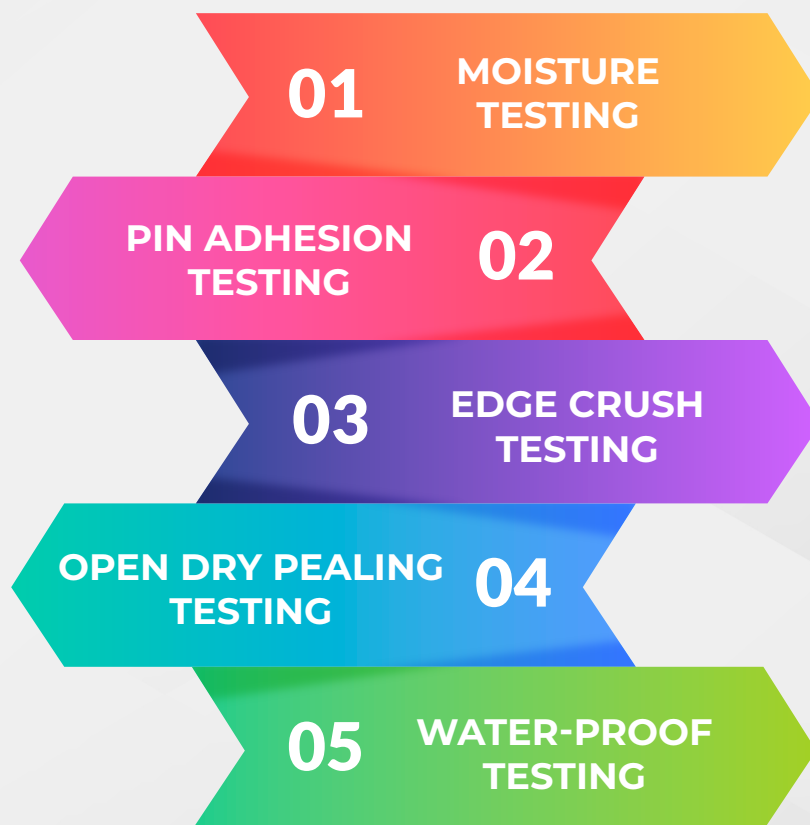
Driven by a passion for excellence, integrity, and sustainability, we strive to make a positive impact on both our customers and the environment. From reducing waste and emissions in our manufacturing processes to developing eco-friendly adhesive formulations, we are committed to minimizing our ecological footprint while maximizing performance.

Cutting-edge R&D and Quality Control: Adhesives Innovation tailored for Versatility of needs.

At Maheshwari Starchtech Pvt Ltd, our commitment to excellence begins with our state-of-the-art Research & Development (R&D) facilities. Equipped with the latest technology and staffed by a team of industry-leading experts, our R&D department is dedicated to driving innovation and pushing the boundaries of adhesive technology.

Every product that leaves our facility undergoes rigorous testing and analysis to ensure strict compliance with industry standards and regulations. From raw material sourcing to final production, we adhere to the highest quality standards at every stage of the manufacturing process.

We follow.



With our cutting-edge R&D capabilities, strict compliance protocols, and unwavering commitment to quality, you can trust Maheshwari Starchtech to deliver adhesive solutions that meet and exceed your expectations every time.

Manufacturing Facility

Our cutting-edge manufacturing facility is fully automated with advanced PLC (Programmable Logic Controller) installations, our processes minimize human intervention, ensuring precision and consistency at every step. By reducing human contact to a minimum, we not only enhance product quality but also prioritize safety and reliability.

Our manufacturing facilities are not just hubs of production; they are engines of innovation and excellence. Fueled by a relentless drive to push boundaries, we harness the latest technologies and methodologies to create products that redefine industry standards. But innovation is just one facet of our facilities. We also prioritize sustainability, ensuring that our processes are environmentally friendly and socially responsible. Coupled with state-of-the-art equipment and a commitment to quality, our facilities stand as beacons of progress, driving our company forward and shaping the future of manufacturing.

Moreover, our commitment to cleanliness is unparalleled. Our dust-free processes maintain the highest standards of hygiene, safeguarding the integrity of our products and the well-being of our workforce. With meticulous attention to detail and a relentless pursuit of perfection, our automated facility sets the benchmark for excellence in manufacturing.



AUTOPLANT ADHESIVE: FOR HEAVY LOADS TO HIGH PRESSURE OUR ADHESIVES DELIVER

- **High Performance Adhesive, Futuristic & Versatile- Increase Compression Strength:**

High performance Adhesives and their application play a vital role in obtaining the best boards at the end of the corrugation machine. Our adhesives are versatile and maintain high-quality boards even at high speeds throughout the board-making process.

Our high-performance adhesive will increase glue penetration, and drying speed, produce flatter sheets, increase runnability, improve water resistance & also increase CS by 15-20% in boards.

- **Easy, Simple & Adaptable Recipe – Eliminate Glue kitchen- One Bag Mix (OBM):**

Where the annual volume of glue consumption does not justify an investment in glue kitchen for the automatic plant, we offer this quick & simple recipe to prepare auto plant adhesives for which you do not require any sophisticated machinery

Ready to mix adhesive (OBM) offered by us is easy to make merely by stirring the adhesive powder in water for 30 mins in the recommended ratio.

- **Anti-Cracking Adhesives:**

The adhesive holds moisture in corrugated board, thereby reducing the tendency of cracking and warpage.

- **Native Starch Based Adhesives:**

These are native starch-based adhesives where we provide modified starch carriers that can be mixed with your native Starch to prepare Autoplant adhesive.

This is a very cost-effective solution that gives all essential features of modified starch adhesives at a very affordable price.

Advantages:

- Better penetration to form 100% fibre-tearing bonds on all the layers.
- High initial tack and forms green bond, which will allow high machining speeds.
- This formulation is compatible to run 25 m/min and tested up to 210 m/min machine speed.
- Moisture in 5 Ply comes around 8 – 9 % even in high humid conditions.
- Provides high compression and Box Crush Test values.
- These are low energy consuming adhesives due to low gel temperature.
- The adhesive sets quickly and enables faster production rates.



CORRUGATION ADHESIVES: OUR ADHESIVES ARE BACKBONE OF YOUR PACKAGING

OBM–One Bag Mix

Corrugation Adhesive offered by us for the semi-automatic plant is a fine, dry & off-white in appearance. Our Product is formulated for corrugated boxes with highest quality starch, which is treated and formulated by using different types of additives.

We offer One Bag Mix (OBM) which is easy and quick to use, especially in situations where preparation facilities are limited.

Advantages:

- Moisture in 2 Ply comes around 8–9% even in high humid conditions.
- High mileage & low consumption with superior bonding.
- The glue does not thicken with time and has consistent viscosity.

PASTING ADHESIVES: BONDING STRENGTH FOR THE TOUGHEST CHALLENGES

(Cold and Hot process)

Pasting Adhesive offered by us is made with superior quality starch which is treated with different catalysts in controlled environments. We offer 2 grades in pasting adhesive: Hot process pasting adhesive and Cold process pasting adhesive

Our product range is large and can be customized according to customer needs.

Advantages:

- Excellent Box Crush strength and Bursting strength of boxes specially formulated Pasting adhesive after thorough testing in our in-house lab.
- It requires less energy consumption and allows the machine to run at higher speeds.
- Minimal stack cure time which ensures no hindrance in further box making process.
- The Hot process pasting adhesive has the pH value of less than 9 which ensures low moisture absorbance after production even in monsoon.
- No foaming in pasting adhesive tray which speeds up the production



Neutral Adhesives: Sealing Success With Our Adhesive Solution

REDUCE BOX MOISTURE BELOW 10% EVEN DURING MONSOON.

Neutral Adhesive offered by us is thermally modified starch powder with different catalysts. This glue is **caustic free** and has a pH between 7-8 on the pH scale.

Neutral Adhesives offered by us come in One Bag Mix (OBM) which is easy to use, especially where preparation facilities are limited.

Advantages:

- Adhesives designed for monsoon having neutral pH (pH: 7.8 on pH. meter)
- Even at highest humidity (90-95% RH) it ensures moisture between 9-11% in corrugated boards.
- Provides excellent initial tack & 100% fibre tearing bonds.
- Provides no flute marks on virgin and imported papers due to its neutral pH.
- This adhesive helps to improve and increase compression strength and bursting strength in board since it doesn't absorb moisture even in humid conditions.
- We can run the glue at lower viscosity resulting in higher coverage.
- The pot life of the glue is 72 hours with stable viscosity.



Flute Laminator Adhesive:

To increase the production with the best quality, Flute laminator is the best machine to setup for E, F, B Flutes boxes. The starch adhesive offered by us is specially formulated for Flute Laminators.

Advantages:

- It provides excellent initial tack and gives high green bond strength.
- The glue is rigid and strong and even economical compared to PVAc glues.
- It has quick drying ability which enables faster operations and better productivity.
- Specially used for bonding higher GSM paper.



PAPER TUBE & CONE ADHESIVES:

(HOT AND COLD PROCESS)

The Paper tube adhesive offered by us is a High Solid thermally treated modified starch.

- **High Solid Content:**

Our dextrin adhesives can be used at the solid content of 35–50% during the tube winding production. This improves the strength of the paper tubes (even during winding) and shortens the drying time of the finished cores.

- **Increased running speed of the tube winding machine:**

The solid content of the dextrin adhesives is high but the viscosity is lower which is around 50–70sec (B4cup) for application. This helps increase the running speed of the tube winding machine and increases productivity.

Advantages:

- Better penetration to form 100% fiber-tearing bonds.
- It gives high green bond strength and excellent initial tack of less than 1 min.
- It provides high Compression strength values.
- Has High Mileage and lower consumption of adhesive.
- The Glue dries very fast which speeds up the further production.
- Shelf life of the glues is 72 hours with consistent viscosity.

Applications:

- Paper tube
- Paper Core
- Edge protectors
- Angle Board
- DTY and POY manufacturers
- Fiber Drums

DTY & POY Tubes



Fibre Drums



Edge Protector & Angle Board



Paper Tubes



Paper cone





MAHESHWARI STARCHTECH

OUR PARTNERS

Maheshwari Adhesives Pvt Ltd

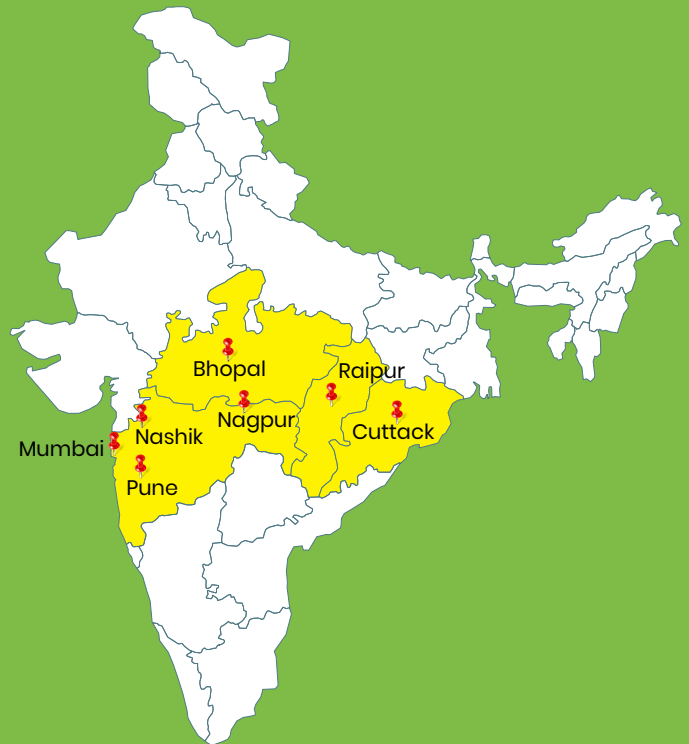


MAHESHWARI
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Bonding solution for the Corrugating Industry

Hari Om Industries



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