

Excellence through Innovation

HAMMER[®]

READY RECKONER

High Performance New Generation Adhesives



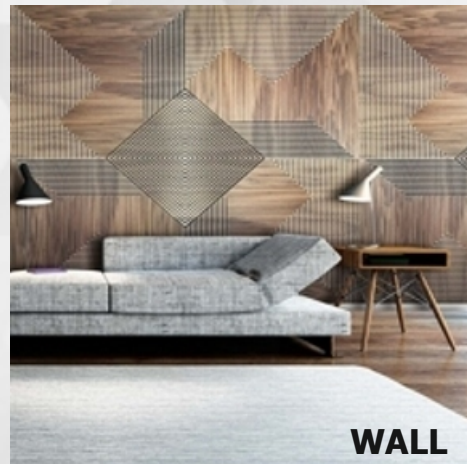
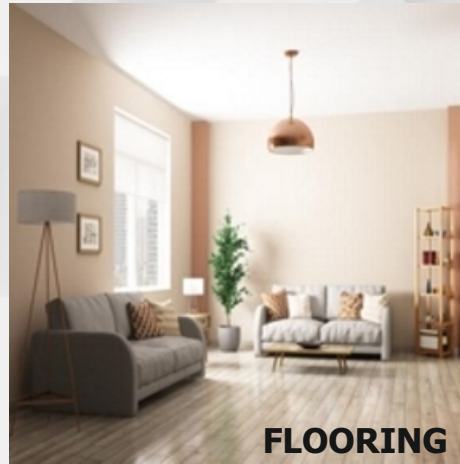
PREFACE

Design body has six components

Wall, Ceiling & Flooring mainly concerns finishing materials like wall papers, paints, paneling, POP works etc Accessories like atrefacts, electrical accessories etc are used to compliment the entire design and lastly Furniture, which is the focal point of the holistic designs. It requires great detailing to make beautiful, functional & durable furniture.

Wood working adhesives and new generation adhesives contribute immensely to achieve the desired quality.

That's why we bring you the **wood working adhesives and new generation adhesives** from **HAMMER** which help you in achieving desired quality.



READY RECKONER

A guide to know everything about wood working adhesives and new generation adhesives

PRODUCT

AREA OF APPLICATION

METHOD OF APPLICATION

PRECAUTIONS



**HIGH PERFORMANCE
NEW GENERATION
ADHESIVES**

HAMMER SHIELD

Multipurpose Unique Adhesive for bonding PVC/Acrylic Sheets to Wood

New age materials PVC & Acrylic sheets have come into the use that give excellent factory finish look as desired by certain clients. It is obvious that factory finish look using these new age materials requires special machineries like edge banding machines, Post forming machines. Regular white & rubber adhesives do not work well. **HAMMER SHIELD** can better help in achieving the factory finished look to a carpentered furniture.

Features:

High strength with long & durable bonding
Excellent heat resistance properties
Excellent Waterproof features
Water based adhesive-eco friendly & easy clean up
Excellent compatibility with PVC/Acrylic Materials
Excellent spreadability & High Coverage
Suitable for both dry & wet bonding applications

Benefits:

High Performance
Best for Heat prone areas
Best for Water prone areas
Environment Friendly
Highly Compatible
Value for Money
Performs strong bonding even if spreaded adhesives dries

Areas of Application:

PVC Sheets/Rolls to Plywood	Solid wood to wood bonding
Acrylic Sheets to Plywood	Ply Board to Charcoal Sheets
PVC Edge Banding	



Precautionary Steps:

While applying **HAMMER SHIELD** on Ply, Laminate Surface make sure the deposition is sufficient & uniform.

Both Surfaces should be clean, dry and free from any kind of grease, dust and oil.

Frequent pressure must be applied in vertical applications.

Excessive adhesive that oozes out of the edges and also on the floor should be wiped off immediately with a wet cloth otherwise it will not be possible to remove after drying.

General Instructions/Precautions for Uses:

Store away from direct heat and sunlight

Skin Formation, If any should be removed before use

Stir the content of the container well before use

Water should not be added for dilution as it may adversely affect the performance of the product

Pack Size:

220 Kg in HDPE Blue Barrel	5 Kg in White Bucket
50 Kg in HDPE White Drum	2 Kg in White Bucket
20 Kg in White Bucket	1 Kg in White Bucket
10 Kg in White Bucket	500 g in White Bucket

HAMMER SHIELD

Key Application Steps:

PVC/Acrylic Sheets - Double Side Application:



Plywood, Laminate, PVC/Acrylic Sheet surfaces should be free of dust, wax and stickers. Preferably the surfaces to be glued, should be sanded & cleaned with cloth.

Stir the contents of the glue container just before application & spread the glue uniformly with a plastic notch spreader on both the substrates evenly.



Once the tack is formed and the film turns transparent, paste the both the substrates properly. Bring both the PVC / Acrylic sheet substrates coated with **HAMMER SHIELD** in contact and make proper alignment.

Press the laminated portion by using wet squeezed cloth to remove air entrapment.

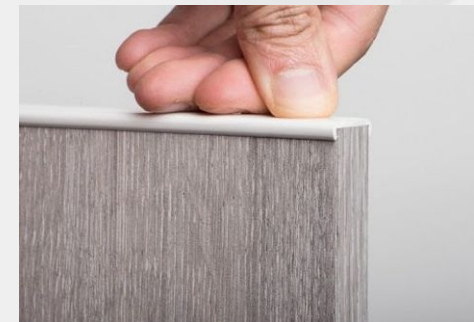


Apply masking tap on the edges & keep under pressure. Handling strength is received with in 1-2 hours, so finishing work can start. Full strength will be achieved with in 24 hours under room temperature.

Key Application Steps:

PVC Edge Banding Application:

Apply **HAMMER SHIELD** on one edge surface of the plywood / MDF / Particle Board & spread the glue uniformly on the edge with the help of spreader/knife/spatula.



Join PVC Edge Banding & apply pressure uniformly to ensure excess glue oozing out from the joint portion. Remove softly and carefully using cloth / cotton.

Press the Edge Band Joint for 2-5 mts under manual hand pressure. Use masking tap to hold the joint firmly. The bond strength is obtained with in 4-5 hours. Full strength will be developed after 24 hours.



For faster work within 1 hr, wrap the edge with thick cotton cloth & apply heat using iron or dryer for 1 minute & repeat the steps for four to five times.



HAMMER HI-BOND

Unique Anti-Bubble Waterproof Adhesive

Bubble has always been a trouble in woodworking especially in vertical laminations or large sheet laminations.....

And there can be number of reasons for it:

- A. Workmanship
- B. Quality of Laminate/Plywood
- C. Expansion/Contraction in the substrates in the process of curing
- D. Climatic Conditions - Humidity / Temperature

While adhesive is not directly responsible for Bubble Formation, it was realized that an adhesive with superior grab & tack can reduce the chances of Bubble Formation to a great extent.

HAMMER HI-BOND powered with Anti-Bubble Formula provides instant grab & tack and uniform glue transfer leading to a strong contact between plywood & laminate. Hence, there is a very little chance of Air Entrapment and contact gap which significantly reduces the probability of Bubble Formation It also offers Superior Tack development, faster grab & reduced setting time.



Features:

- Anti-Bubble Formula
- Excellent Waterproof adhesive
- Unique Sky Blue Colour
- Faster Setting time of just 2 hours
- Suitable for both dry & wet bonding applications

Benefits:

- Significantly reduces the chance of bubble formation
- Best for Water prone areas
- Unique Sky Blue Colour
- Faster completion of work
- Perform strong bonding even if spreaded adhesive dries

Areas of Application:

- Laminate to Plywood
- Veneer to Plywood
- Laminate to MDF/Particle Board/Block Board
- Any wood to wood bonding

Pack Size:

- | | |
|----------------------------|-----------------------|
| 220 Kg in HDPE Blue Barrel | 5 Kg in White Bucket |
| 50 Kg in HDPE White Drum | 2 Kg in White Bucket |
| 20 Kg in White Bucket | 1 Kg in White Bucket |
| 10 Kg in White Bucket | 500 g in White Bucket |

HAMMER HI-BOND

Key Application Steps:



Plywood & Laminate surfaces should be free of dust, wax and stickers. Preferably the surfaces to be glued, should be sanded & cleaned with cloth.

Stir the contents of the glue container just before application & spread the glue uniformly with a plastic notch spreader, first on the laminate (non porous surface) and then on plywood (porous surface).



Once the tack is formed and the film turns transparent, paste the surfaces properly. Bring the laminate in contact to **HAMMER HI-BOND** coated ply surface and make proper alignment.

Press the laminated portion by using wet squeezed cloth to remove air entraption.



Apply masking tap on the edges & keep under pressure. Handling strength is received with in 2-3 hours, so finishing work can start. Full strength will be achieved with in 24 hours under room temperature.

Precautionary Steps:

While applying **HAMMER HI-BOND** on Ply, Laminate Surface make sure the deposition is sufficient and uniform.

Both Surfaces should be clean, dry and free from any kind of grease, dust & oil.

Frequent pressure must be applied in vertical applications.

Excessive adhesive that oozes out of the edges and also on the floor should be wiped off immediately with a wet cloth otherwise it will not be possible to remove after drying.

General Instructions/Precautions for Uses:

Store away from direct heat and sunlight

Skin Formation, If any should be removed before use

Stir the content of the container well before use

Water should not be added for dilution as it may adversely affect the performance of the product

HAMMER PRE-LAM

The Ultimate Laminate to Laminate Bonding Adhesive

HAMMER PRE-LAM is high performance single component new generation adhesive system developed for Laminate-to-Laminate and Pre-lam Applications.

HAMMER PRE-LAM is a simple & yet effective bonding solution for widely used Laminate-to-Laminate applications that can change the laminate of old furniture very easily to give a refreshing new look to old furniture.

Features:

Bonds Laminate to Laminate very effectively
Very effective in PRE-LAM applications.
Excellent heat resistance
Excellent water resistance
Very fast setting time
Very effective for both dry & wet bonding applications

Benefits:

Best for Furniture Re-Lamination works
Suitable for Pre-Lam Application works
Ideal for Heat prone areas
Ideal for Water prone areas
Faster completion of work
Perform strong bonding even if spreaded adhesive dries

Areas of Application:

Laminate to Laminate
PRE-LAM Applications
Any wood to wood bonding

Pack Size:

220 Kg in HDPE Blue Barrel
50 Kg in HDPE White Drum
20 Kg in White Bucket
10 Kg in White Bucket
5 Kg in White Bucket
2 Kg in White Bucket
1 Kg in White Bucket
500 g in White Bucket



HAMMER PRE-LAM

Key Application Steps:

Laminate to Laminate - Double Side Application:



Laminate surfaces should be free of dust, wax and stickers. Preferably the surfaces to be glued, should be sanded and cleaned with cloth.

Make random scratches everywhere properly on old laminate surface.



Stir the contents of the glue container just before application & spread the glue uniformly with a plastic notch spreader, first on the old laminate (scratch one) and then on fresh laminate (new one).

Once the tack is formed and the film turns transparent, paste the surfaces properly. Bring the laminate in contact to **HAMMER PRE-LAM** coated laminate surface and make proper alignment.



Press the laminated portion by using wet squeezed cloth to remove air entrapment.



Key Application Steps:



Apply masking tap on the edges & keep under pressure. Handling strength is received with in 2-3 hours, so finishing work can start. Full strength will be achieved with in 24 hours under room temperature.

Precautionary Steps:

While applying **HAMMER PRE-LAM** on both laminate Surfaces make sure the deposition is sufficient and uniform. Make sure that proper random scratches everywhere on old laminate. Laminate Surfaces to be glued should be clean, dry & free from any kind of grease, dust & oil. Frequent pressure must be applied in vertical applications.

General Instructions/Precautions for Uses:

Store away from direct heat and sunlight

Skin Formation, If any should be removed before use

Stir the content of the container well before use

Water should not be added for dilution as it may adversely affect the performance of the product

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through Innovation

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Manufacturer & Exporter of Adhesives

Attach Industries, having 15 years of experience, manufactures and exports its HAMMER brand Premium quality Wood, Specialty and Industrial adhesives since 2006.

We export our Premium Quality Adhesives to US, Netherlands, SA, Middle East, South East Asian and African Countries through Merchant Exporters.

75+ HAMMER Adhesives having presence in 210+ cities of 14 States of India.

State of Art manufacturing Infrastructure facilities having 5500 Sq Ft areas with Production Capacity of 500 MT per annum.

Premium Quality Wood-Specialty-Industrial Adhesives from **HAMMER**:

Premium White Adhesives

Class D3 Adhesives

Marine Grade Waterproof Adhesives

New Generation Adhesives

PVC Wood Edge Banding Adhesives

Anti-Bubble Waterproof Adhesives

Pre-Lam Adhesives

Finger Joint Adhesives

Membrane Press Adhesives

Glass Mosaic Tiles Adhesives

Stationery Adhesives

Flush Door/White Molded Panel Door Adhesives

Packaging - Converting Adhesives

Contact Adhesives

Synthetic Rubber Adhesives

Multipurpose Industrial Adhesives

Sprayable Adhesives

Polyurethane Dispersion PUDs for
different applications & coatings -

3D Film Lamination

PVC Overlay Applications

Packaging-Converting Industries

Footwear Industries

Automotive Interior Industries

Surface Coating Industries