

Zipco[®]

THE ZIPCO PALLET

(FLY ASH BRICK PALLET)

**COST
EFFECTIVE**



**QUALITY
ASSURED**

We produce high-density wooden panels in the form of pallets with thicknesses of **18mm, 20mm, 25mm, 30mm, and custom dimensions**. These panels are bonded with a top-quality thermosetting phenolic resin that we manufacture in our own facility.



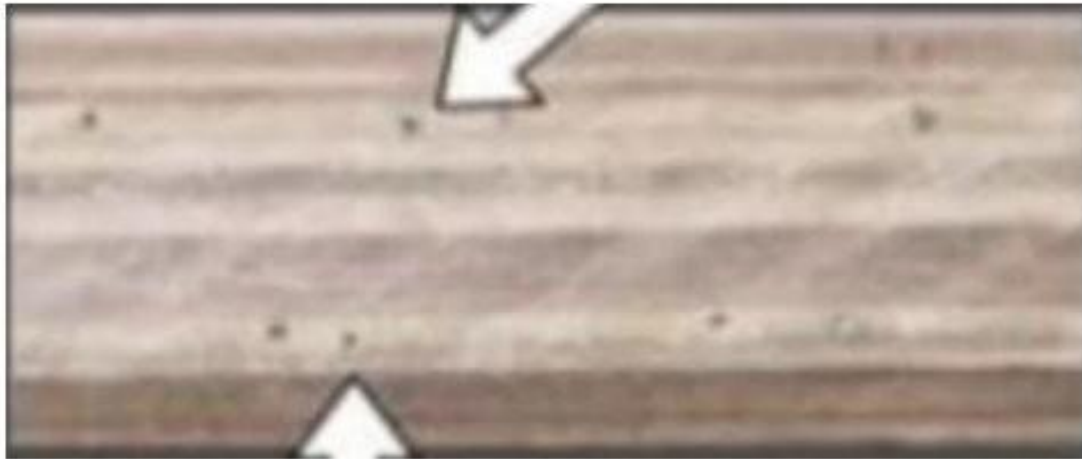
MRP EXIM PRODUCTS

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WIRE MESH-SHOCK ABSORPTION



- ❖ 100 % PHENOL BONDED
- ❖ BETTER PERFORMANCE THAN PLASTIC

All *Zipco* pallets come prepared for the repeated force applied.

Their composition includes two layer of wire meshes on both sides to absorb the vibration of the hydraulic machine.

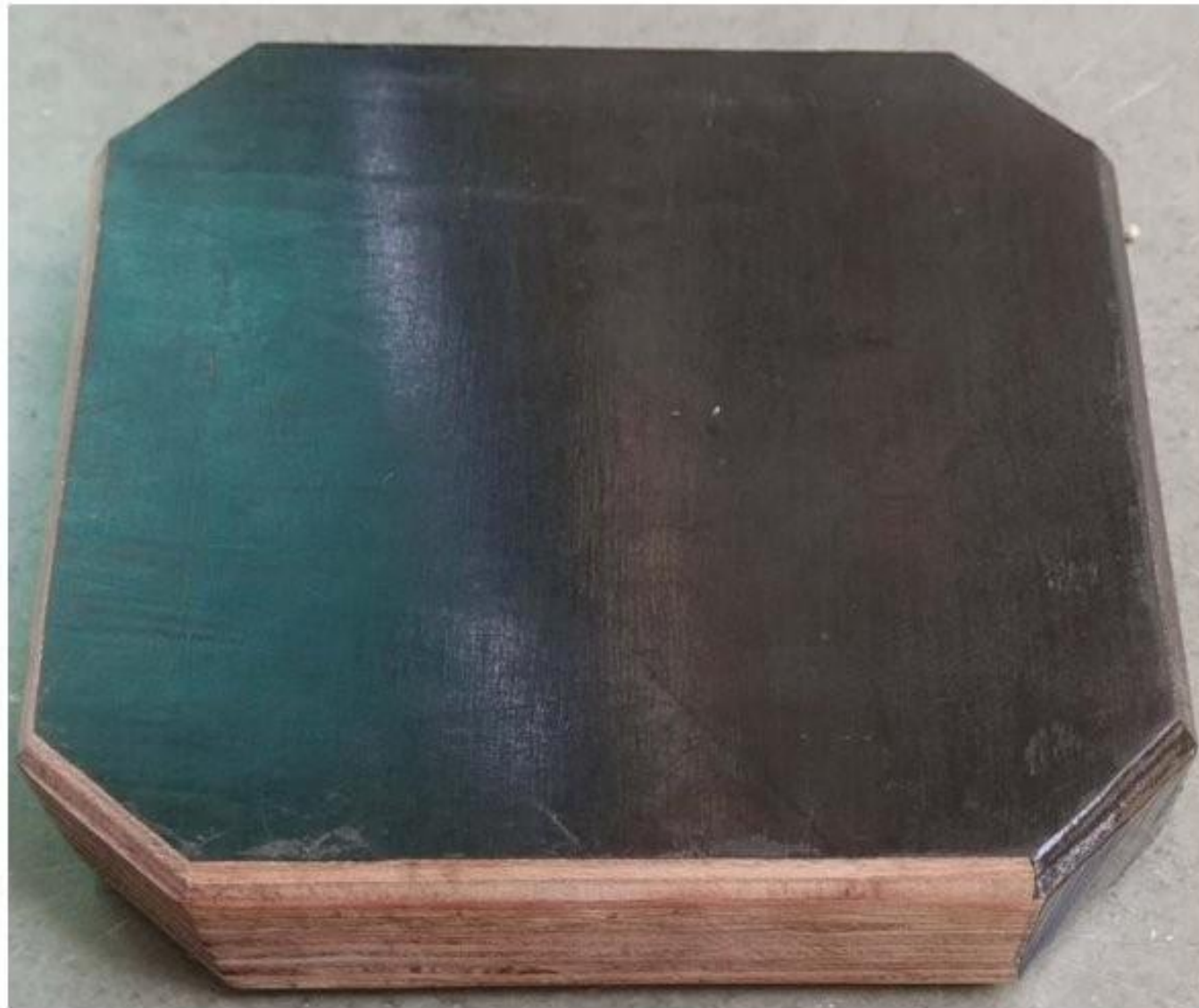
The wire mesh turned with quality hardwood make the *Zipco* pallet incredibly strong!

CUT CORNERS



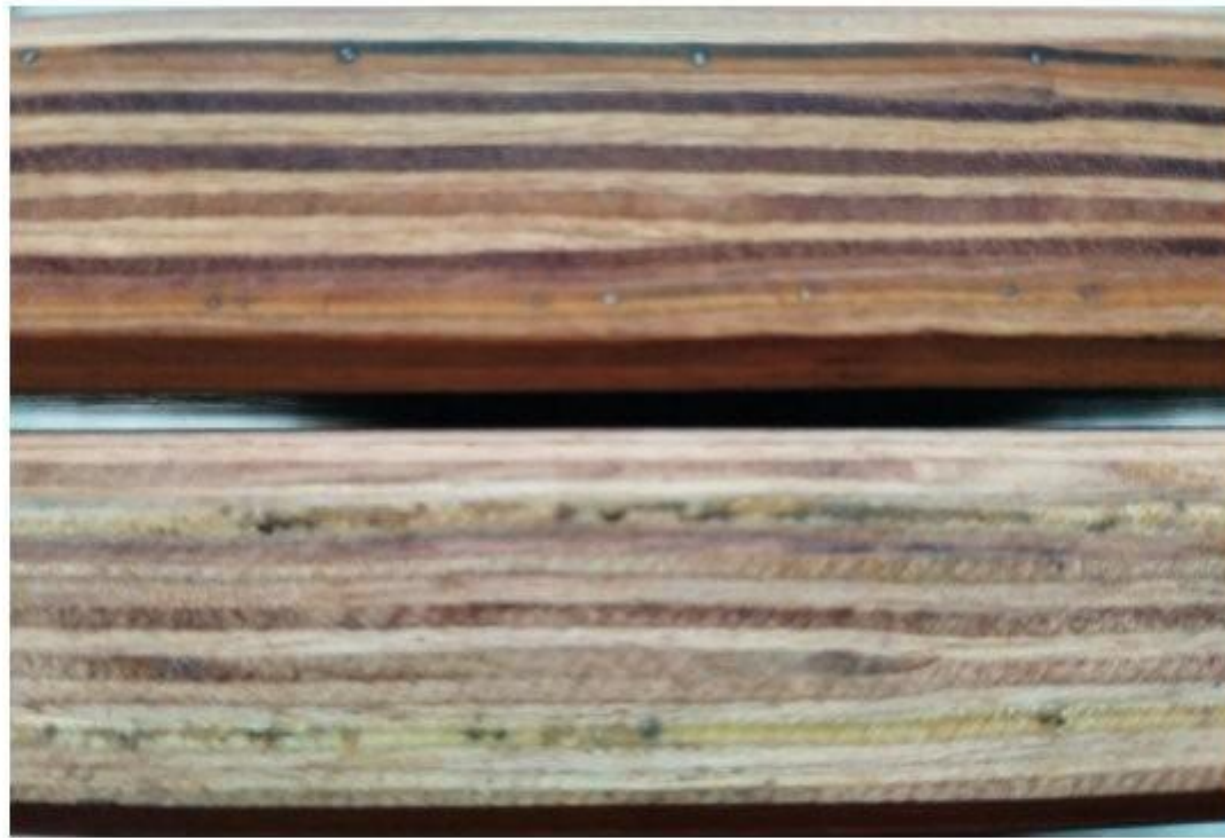
The corners of *Zipco* pallets are meticulously cut to a precise length that corresponds to the thickness of the pallet. This careful design consideration helps to mitigate impact damage as the pallet is inserted into the machine.

IMPENETRABLE SURFACE



Traditionally, low gsm papers have been the go-to choice for laminating the surface of shuttering plywood and other pallets. We used a paper with a thickness of higher gsm is being used to laminate the surface of the pallet. This change in material choice marks a departure from conventional methods and signifies an evolution in pallet construction techniques.

CHAMFERED EDGES



In the world of pallet manufacturing, the *Zipco* brand has introduced an innovative feature to enhance the durability and lifespan of their pallets. They have incorporated 5mm chamfered edges into their design. These chamfered edges are not just a stylistic choice, but serve a crucial functional purpose. They provide increased protection against bruising. This thoughtful design element ensures that the *Zipco* pallets can withstand the rigors of use and handling, thereby enhancing their longevity.

EPOXY RESIN DOUBLE COATED



The object in question is meticulously coated on its sides with a layer of epoxy resin paint. This specific type of paint, renowned for its robust and durable properties, provides a formidable barrier once applied. The edges of the object, in particular, receive a thorough coating, effectively sealing them off. This seal plays a crucial role in the preservation and longevity of the object. It acts as an impenetrable shield, barring any moisture from penetrating the surface. Consequently, this moisture-proof feature of the epoxy resin paint ensures that the object remains unaffected by potential damage caused by moisture exposure.

Fly ash brick pallet the performance features of the pallet are listed below :

- 1) Pallets have an increased glue line. Approximately 50-60 percent higher than conventional shuttering plywood. Phenolic resin is what gives the pallet its waterproof properties
- 2) Pallets have a density of 0.95 - 1.05 which is also higher than shuttering plywood.
- 3) The film face used on the pallet is of a higher GSM than shuttering plywood. It is highly abrasion resistant and does not let moisture penetrate from the surface.
- 4) The pallet is re-enforced with a wire mesh at the top and bottom. The purpose of wire mesh reinforcement is shock absorption. When the machine vibrates or pressure is applied on the pallets, they do not crack or bend. It increases resistance to repeated stress. Increases the life of a pallet. This shock absorption property is formally referred to as VIBRATION TRANSMISSION.
- 5) The paint used on the side is an epoxy resin. The edges once coated with the paint are sealed. No moisture penetration can take place.
- 6) The edges are cut and chamfered to prevent impact when the pallet enters the machine. They are cut and chamfered at a very specific angle and length. Different thickness pallets have different dimensions of cutting and chamfering.
- 7) Plastic pallets have failed in the market because they bend and warp because of change in temperature.

Fly Ash Bricks Production Pallets are design according to the customer requirement. Pallets are manufactured with rotary cut tropical hardwood veneers impregnated with thermosetting resole resin, compressed under control specific conditions.

Technical Data

- 1 .Density (Gm/cc) 0.95- 1.05
- 2 .Moisture Content (%) 8.5
- 3 .Tensile Strength (N/MM²) 70
- 4 .Resistance to Boiling Water 10% max.
- 5 .Thickness Swelling cold water 1 % Max

FLY ASH BRICK PALLETS (WOODEN):-

There are a few key points that make our pallets superior, compared to any other pallets on the market. The first and foremost being the science behind manufacturing the product itself, which lies in ensuring that it lasts for the years we claim it will last. The market standard for our product is at least 5 years. Engineering and treating wood to last that long under temperature variation and repeated contact with moisture and sunlight (even PVC pallets tend to warp under sunlight beyond 40° Celsius) is easier said than done. Impact resistance, abrasion resistance, corrosion resistance to cement are few of various technical parameters we took into account while designing this product.

WHY?

1. The pallets do not warp due to temperature variation.
2. Moisture has no effect on our pallets which are water boiling proof.
3. Provides a clean surface finish. Always.
4. Durable and long lasting.
5. We can achieve customised performance as per our clients requirements.
6. Competitive pricing – the best price and quality in the market.
7. The entire pallet is sourced from sustainable plantation timber, having minimal Impact on the environment. This further pushes the goal of utilising fly ash – saving the environment.
8. Swift vibration transmission.
9. On time delivery. Always.

HOW?

1. Adhesives used are engineered and manufactured in house under constant supervision
2. Premium synthetic face veneer locks the surface of the pallet sealing it from moisture penetration.
3. Hi-tech resin system makes the pallet water boiling proof for more than 72 hours.
4. Double wire mesh re-enforcement enables vibration transmission.
5. Zero defects occur in our dispatch material because we follow six-sigma practices.