

MANUFACTURED BY GOPAL AGRITECH

Recycled Plastic Shuttering Sheet

Plastic Fibre Shuttering Ply · Sustainable Shuttering Panel

Water-resistant, reusable formwork sheet made from recycled plastic — an alternative to conventional plywood shuttering.



What it is

A recycled plastic shuttering sheet is a flat formwork board made from recycled plastic, used instead of plywood to hold wet concrete in shape for slabs, beams, columns and walls. Because plastic does not absorb water, the sheet does not swell or delaminate, and it is designed to be cleaned and reused across many pours.

MATERIAL

Recycled plastic

REPLACES

**Plywood
formwork**

WATER

**Does not absorb
water**

MADE IN

Surat, Gujarat

Why builders switch



Reusable

Strip, clean and use again across multiple pours.



Monsoon-proof

No swelling, rotting or peeling layers.



Termite resistant

No wood fibre for termites or fungus.



Nail · fix · re-fix

Works with normal site carpentry.



Smooth casting face

Clean concrete finish, easy release.



Recycled material

Gives plastic waste a second life.

Where it is used



Slab decks



Beam sides and
bottoms



Column boxes



Walls and retaining
walls



Footings, raft edges
and plinths



Precast, site works
and temporary uses

From plastic waste to formwork

01

Collect

02

Sort

03

Shred & wash

04

Melt & form

05

Press & cool

06

Trim & check

Typical recycled-board process. Ask us to show you our production.



Recycled plastic vs plywood

ASPECT	PLYWOOD SHUTTERING	RECYCLED PLASTIC SHEET
Typical reuses ^{2,3,4,5}	≈ 3–15 pours (ordinary ply); good film-faced up to ≈ 30	50+ pours commonly cited for plastic panels
Water & monsoon ^{3,1,5}	Absorbs moisture; IS 4990 requires BWP grade	Does not absorb water — no swelling or delamination
Termites & fungus ^{1,5}	Needs preservative treatment	No wood fibre to attack; mould-resistant
Stiffness & supports ^{6,7}	Stiffer; birch formwork ply fm ≈ 33–43 N/mm ²	More flexible — use closer supports
Heat & sun ^{7,3}	Little thermal movement	Expands in heat — leave 1–2 mm gaps, store in shade
End of life ^{11,5}	Glued veneers hard to recycle	Thermoplastic can be reground and recycled

Industry-typical figures from published sources (numbered below) — they describe the product category, not tests of a specific Gopal Agritech sheet. Actual reuse depends on handling, cleaning and storage.

Site handling tips

- ✓ Light, even coat of release agent before each pour
- ✓ Closer support spacing than plywood — ask us for your thickness
- ✓ 1–2 mm gaps between sheets; plastic grows in strong sun
- ✓ Scrape and wash with water right after striking
- ✓ Stack flat on level bearers, in shade or under cover

Better for the environment

4.1 million t

plastic waste generated in India in 2022–23 (CPCB). Every recycled sheet puts some of it back to work. ⁹

- ♻️ Turns plastic waste into a long-life product
- 🌿 Less timber used for shuttering
- ♻️ More pours from one set

GET A QUOTATION

Sizes, thickness and price on quotation

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Interactive guide & calculator

Sources

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