

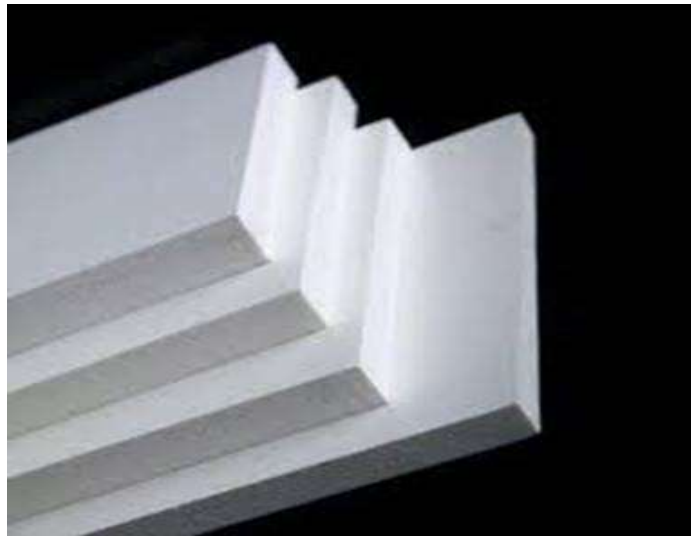
Plastics to replace wood entirely and many other utilities.

Plastics is not environment eroding, on the contrary it assists to preserve environment! Plastic's penetration is unavoidable if we need to protect environment and still wish to save cost and time and without polluting anything around us and we can make all the product re-cyclable.

Environment and cost are the two major factors now to be considered which all look at. Need to save environment and also not to let the cost be higher is the need of the time.

The construction sector is one major thrust area for the development and also it is a serious need. The construction sector is to have serious boost and also the need of replacement of wood is sought for to preserve environment not to de-forest.

- 1) Modi government declared that there shall be one hose for each family by 2022. This will need a lot of Wood for the furniture/ cabinets/ doors and frames.
- 2) 65% of the existing buildings Nation-wide needs replacement of wood on account of a) Termite rotten, b) water / moisture effect c) Aged
- 3) The younger generation needs replacement faster and change everything within or before 4-5 years
- 4) The wood is becoming scarce by each day and is costlier.
- 5) Wood needs a lot of wood working on it, laminate / color or varnish to finish
- 6) There are hundreds of companies in organized sectors making plywood BUT there are still thousands in unorganized sector manufacturing of plywood and doors and all sorts of wood.



(A) The option is plastic. PVC foamed boards.

These are new replacement products made from Plastics with filler and additives as here below.

- 1) PVC / Wood plastic foamed boards of thickness 4 to 22 mm in four feet width which is replacing Plywood board of all thicknesses **and**
- 2) PVC board of thickness 25 to 35 mm to replace the flush-doors made in three feet width.

(B) The next option is PVC Laminate made in 1 mm or even thinner to replace laminate (Mica)



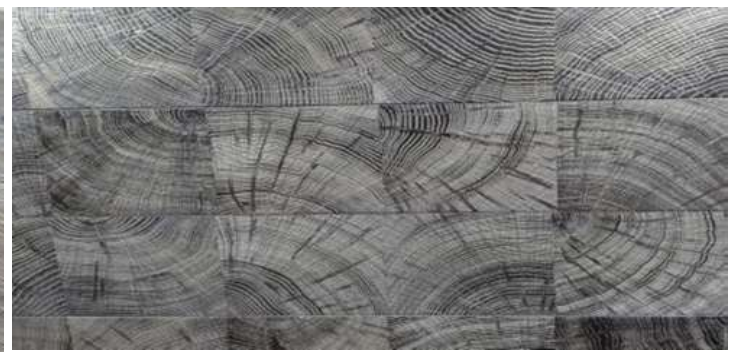
This is made from PVC + CaCO₃ and additives and can be made unbreakable upon bending many times. This product proves much cheaper to be used as core adding higher amount of CaCO₃ (this is breakable) This avoids use of formaldehyde and paper and is pollution free.

(C) PVC marble look-alike boards for walls. This replaces Marble and Granite on walls, is not breakable and absolutely maintenance free and much stronger and cheaper.



This product can be made on 2 to 8 mm thickness as the need be but mostly used at 2.8 to 3.5 mm thickness. This replaces traditional Marble and Granite and is much cheaper, needs almost nil labor as compared to Marble.

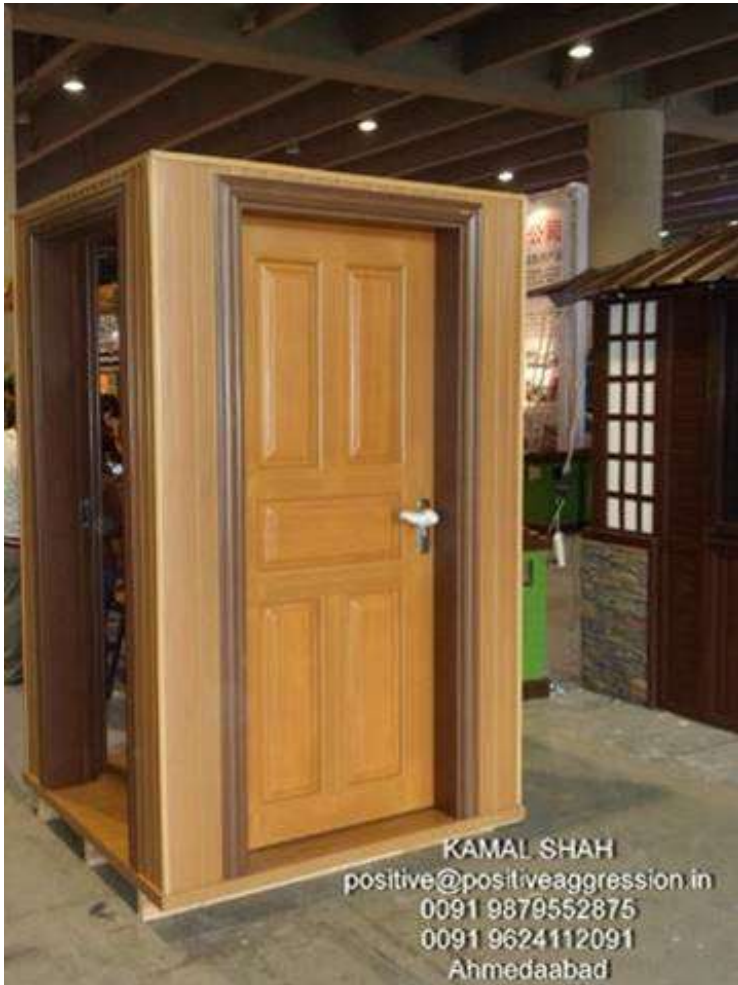
(D) SPC Flooring product to replace WOOD Again , avoiding stink, dirt, deforestation, and much more, made with PVC + CaCO₃ and additives this product can be made in 4 mm (one layer) to 6 mm (three layer) thickness.



This also eliminates the need of not only wood but also that of Tiles.

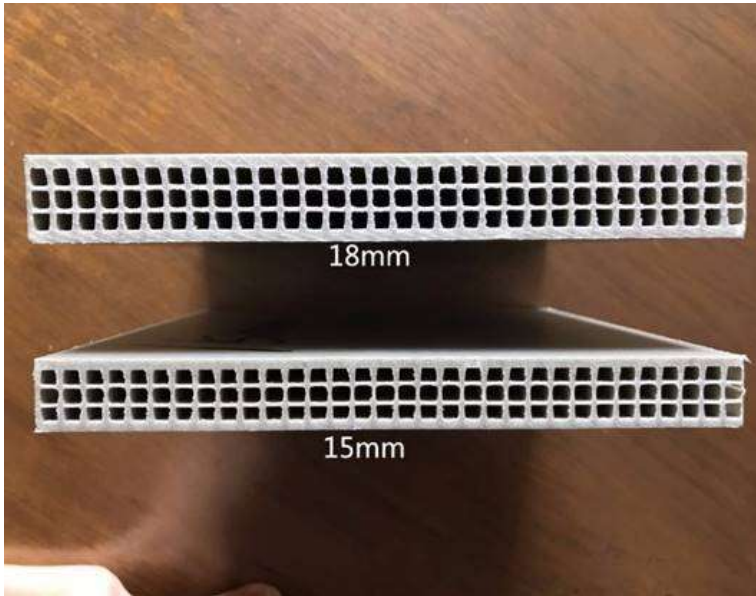
(E) When the construction sector is boosting , will need many doors and frames and still we need to save wood we have an option.

That is Wood + **plastic Doors and frames** known as WPVC Doors and frames



Made from Wood plus PVC and additives, this product is again termite-proof and water-proof needing almost nil maintenance, not much of wood working, can be made available ready-made without the need of any sort of carpentry on it, no color and no varnish. Still if the need be, can be colored. This product can save much of wood.

(F) We need a lot of wood [marine ply] to construct buildings or we need a lot of metal which erodes and offers poor finish to the surface. We have an option of **Plastic + CaCo3 construction boards**.



This product can be used for 80 to 100 times, needing no oiling while reusing and offers best possible smooth surface. Post using so many times, it is 100% re-cyclable. And also, can be made from Re-cycled plastic and so is proves much cheaper. **This is a real wonder product.**

(G) PVC three layer Foamed roofing sheet to replace metal roofing sheets.



This product can be made in 5 to 8 mm thickness to make sound and heat proof- Almost. Is almost unbreakable again and strongest, does not get rusted and are flexible do not get dents or bend.

This roof does not get heated up and does not let the heat pass through it. Also absorbs much of rain noise.

(H). There are many more products still needing plastic. Like say sanitary napkin for women is also about 26% of plastic by weight. It is made up of Poly-propylene hydro-filled non-woven plastic, SAP plastic, Plastic taps and packaging of it are all Plastics.



Uncontrolled population explosion, almost everything is subsidies in villages, development, Media, education, transportation.... all these factors pushed consumption of Sanitary Napkin.

- Government and Environmentalists have been and will always cry on the mass usage and illegal / non-genuine / nonsense / irresponsible disposal of Plastics, Paper, wood and all such resources.
- This country is helplessly tolerable to the results of dangerous democracy, courtesy age-old constitutions, which, most intellectuals cannot bear with.
- Another limitation is 'no-alternate or option-situation' to the usage of such resources.
- Sanitary Napkin is one such item that is needed badly for the courteous and able (in fact capable) society helped by the jacked-up spending power and economy and mass media.

The scope of plastics is unlimited, unavoidable and no use to keep on crying "BAN the plastic", if we are literate enough and vote for equally literate and Patriotic Leaders, we need not botehr such time-pass nuisance of fighting against plastic.

Jai HIND.

Kamal Shah mail@positiveaggression.in
9879552875 / 9624112091



The author is a professional consultant based at Ahmedabad.