

Plastic is conquering one after another product field and its invasion is fast progressing with the passage of the time. As we stated earlier that Plastic is to almost eliminate wood usage, one more product being replaced fast is DOOR FRAME. The material which replaces wood is Wood (least possible percentage) + Plastic + CaCO<sub>3</sub>.



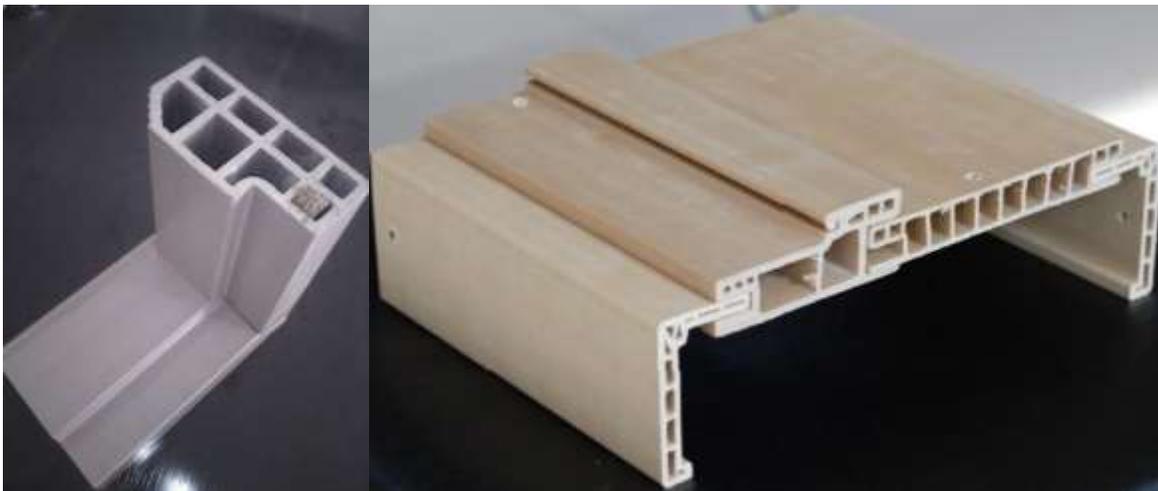
Why it is worth to replace wood for such applications?

Cost, Process, time, after effects and maintenance, color varnish & maintenance issues, strength and durability, weather's effect, to get rid of such issues, Wooden Door-frame material is being replaced mainly by Plastic for which PVC is proposed as comparatively lighter material. {PP/ HDPE are heavier}

In fact such material saves time of Carpentry and money on process, and is easier to install as well.

Technically such frames should be made at 0.9 GCC density. India ideally uses the sizes of 5" x 4", 4"x3" and so on.

BUT one most unfortunate character is, we need Solid frames, People feel and assume that solid frames can offer strength. Tis mental block still makes our frames costlier and unnecessarily heavier. Whereas CHINA and others use hollow sections as below.



Understand the figures for the project:

- The investment in the project can be:
- Machinery Rs 50 to 65 Lac Landed
- Each Die can cost Rs.5 Lac
- Building of about 5000 Sq. Feet can be sufficient. (Rs. 35 Lac)
- Land one acre at Rs 35 Lac.
- Rs 50 Lac towards other initial project cost, including EB Deposit cost.
- And Working capital cost can be near to Rs. 50 Lac.

Now also note the important Data which can tempt us towards this business initiation.

- Merely for Rs 53 to 55 per Kilograms the material can cost to make,
- Conversion cost can be Rs 13.6 to Rs 13.75 per Kilogram.
- Production can touch 900 to 950 TPA, assuming 24 hours x 312 Days' Production.

These days, this is 'THE BEST" Small project, easily to enter in to.

Can go for it very safely since now there are good number of manufacturers who make 30 to 32 mm and 3 feet/ 2.75 feet / 2.5 feet wide PVC foamed board, which is used directly as Door boards and frames are very well needed to couple with such doors.

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