

## Sheet Storage

Pallets and cases of ALFAPLAS® acrylic sheet are shipped with paper masking or polyethylene film, which protects the sheet from dirt damage and moisture. The masking should be left intact during storage to minimize damage and warpage. ALFAPLAS® sheets should be stored horizontal or vertically or in special racks where the sheets can lean flat at an angle of approximately 10°. These angled racks should have plywood panels or similar, which give full support to the sheets and maintain a straight upright position.



If ALFAPLAS® sheets are stored horizontally, they must not be allowed to sag. Care must be taken to prevent chips or dirt from becoming lodged between the sheets as the weight of the material can force these chips through the protective masking and damage the sheets. If various sizes are stacked horizontally, the larger sheets should be at the bottom to avoid unsupported overhang.

Transportation of ALFAPLAS® sheet should be done horizontally only, unless it is to be shipped for long distance, where it is secured horizontally or vertically in a CRATE. When shipping horizontally ensure that the larger sheets are placed at the bottom with the sheets of a smaller dimension placed on top. Never transport sheet products, even short distance with the larger size sheets placed on top of smaller size sheets as the larger sheets with overhang portion the smaller. Vibration at the overhang will cause unnecessary stress at the contact point of the overhang, causing problems of crazing when gluing, cementing, and printing and could even lead to fracture of the sheet due to vibration caused by the movement of the vehicle.

ALFAPLAS® sheets should not be stored near radiators, steam pipes or other heat sources of any kind as heat tends to soften and deform acrylic sheet. Do not store sheets near spray-painting booths or expose them to other solvent vapors, which may seep into and penetrate the masking and damage the sheet surface. Contact with direct sunlight for a long stretch of time could warp the sheet and cause the sheet to lose its flatness.

### PRECAUTION TO BE TAKEN WHEN STORING ACRYLIC SHEET

- Do not remove the protective covering which may be paper or P.E Film.
- Always store away from any heat source, such as a heater or direct sunlight.
- Never store ALFAPLAS® sheet close to or near any solvents or paints.

In order to avoid WARPAGE or DAMAGE to the sheets, there are two normal modes of storage.

- |                       |    |                                       |
|-----------------------|----|---------------------------------------|
| A. Horizontal Storage | :- | Stacking on PALLETS.                  |
| B. Vertical Storage   | :- | Standing the sheets upright in RACKS. |

### A. HORIZONTAL STORAGE

- I. When stacking ALFAPLAS® acrylic sheet on a pallet for storage, try always to stack sheets of the same size neatly, one on top of the other.
- II. If ALFAPLAS® sheets of varying sizes are to be stacked, place the largest sheet on the bottom while placing the smaller sheets (according to size) on the top. Always avoid over stacking to avoid the pallet from collapsing.
- III. Arrange the ALFAPLAS® sheets to a height to 50 / 70 CMS. Maximum.
- IV. Never stack sheets of different sizes in a RANDOM manner these sheets are certain to warp and deform ever fracture.



### B. VERTICAL STORAGE

- I. This arrangement is recommended to store a variety of sizes and grades of sheet in good order, for short periods of time only. (Temporary storage)
- II. It is advised to set the sheets leaning against the partition wall at an inclined angle of approximately 10° as shown in Fig 2. The sheets must be straight and supported.
- III. If the sheets are leaning in the wrong way they will warp and deform on the back.

