

FABCAST Dimensional Tolerances



Flatness Tolerance

As manufactured, the flatness tolerance of FABCAST sheet depends on the dimensions of each sheet. This allowance is based on ASTM D4802, Section 5.6.1.

- For dimensions less than or equal to 48", the maximum allowable bow as manufactured is 1/4".
- For dimensions greater than 48" but less than or equal to 96", the maximum allowable bow as manufactured is 1/2".
- For dimensions greater than 96" but less than or equal to 168", the maximum allowable bow as manufactured is 3/4".

Length and Width Tolerance

The length and width tolerance on all FABCAST sheets is +1/4" and -0" per ASTM D4802.

Thickness Tolerance Chart		
Sheet Size	Up to 74" x 99"	
THICKNESS	MIN	MAX
0.080"	NA	NA
0.118"	0.078"	0.148"
0.177"	0.134"	0.204"
0.220"	0.170"	0.249"
0.236"	0.186"	0.266"
0.354"	0.289"	0.389"
0.375"	0.310"	0.410"
0.472"	0.397"	0.507"
0.500"	0.425"	0.535"
0.625"	0.543"	0.663"
0.709"	0.619"	0.749"
0.750"	0.660"	0.790"
0.945"	0.833"	0.993"
1.000"	0.888"	1.048"
1.250"	1.156"	1.302"
1.375"	1.248"	1.440"
1.500"	1.341"	1.577"
1.750"	1.570"	1.842"
2.000"	1.798"	2.108"