

# How to design a product with Cristalplant

- Shrinkage after casting process -1,2%
- Casting tolerances are +/- 2mm per linear meter.
- Visible minimum thickness 4 mm. for basins, 8 mm.  
for bath tubs, minimum internal not visible thickness 10mm  
for basins, 18 for bath tubs.
- Maximum thickness 50mm.
- The internal technical radius on the internal part have to be > 10mm; the radius of a border of contour edge can be 3mm
- There are no problems with “suction” as the standard plastic injection molding.
- Ribs of the same material can be obtained directly from molding in order to stiffen /structure the object.
- Small metallic inserts can be casted in to the material, 10mm of material around the insert are necessary.
- The material can be post-molding glued to obtain products with empty areas or with negative draft angles.
- The material can be painted on the external side, not a direct contact with water.