

ESTHEC® REQUIREMENTS CAD FILE

composite decking

The quality of the file, to which delivery of a made to fit deck is based on, is essential. For this very reason Esthec® has set up a number of requirements the file must meet.

Preparations

- The deck must be dry, clean and dust free.
 - There needs to be sufficient light on the job site.
 - There should be enough space around (and in) the object to perform the measurement
 - The deck must be placed in a weather protected area, protected against wind and rain.
 - All parts to be measured need to be at the job site (e.g. hatches) and placed on the right location.
- Restriction 1: It is not possible to measure deck parts (e.g. hatches) afterwards.
- Client has to be present at jobsite to give instructions during the digitalization process.

Digitalisation of all measurements of the total deck design

Line tolerance deck-digitalisation	: 0.5 mm
Height of deck	: Deck height of the Esthec® deck is 6,8mm. This should be taken into account during the digitisation process.
Features integrated in deck	: Measured and digitalised
Features not integrated in deck	: <u>Not</u> measured and not digitalised
Software to correct 3D to 2D curved surfaces	: Rhino – function use: ‘Smash surface’ or ‘Unroll’
Scale factor curved surfaces	: A scale factor is required to correct all curved surfaces.
Digitalised result	: 2D-CAD drawing of total detailed deck design
Restriction 2	: <u>No</u> room for tuning of the measured and digitalised contour afterwards

Software use 2D-CAD drawing

2D-CAD Software	: AutoCAD
File	: .dwg or .dxf
Restriction 3	: No converted or imported files. Converted or imported files result in unsolvable errors.

Drawing properties

Drawing dimension	: 2D (x-y direction)
Line properties	: 3 point single-, radius- or arc lines.
Restriction 4	: 3D drawings (x-y-z direction) can not be used.
Restriction 5	: No double lines. Double lines are two lines with same start and end point x-y coordinates.
Restriction 6	: Single lines defined with more than 3 point can not be used. Single lines defined as ‘spline’ lines can not be used.
Restriction 7	: Offset of the measured and digitalised contour can not be used. When a margin plank design is required, this will have to be drawn manually.

- Restriction 8 : 3 point/single-, radius- or arc lines must be 100% connected by start and end point. Small overlap or distance between two lines can not be used.
- Restriction 9 : Logo design not applied in 'font'-text. Minimal distance within the logo design is 3mm.

Layer specification

- Layer title : 0
 Description : Digitalised and measured contour geometry
 Colour : Magenta
- Layer title : 1
 Description : Margin plank design geometry
 Colour : Green
- Layer title : 2
 Description : Dek lay-out
 Colour : Red

After receipt of your CAD file, Esthec® will determine if it meets the requirements mentioned above. However, this does not mean Esthec® can be hold responsible for the correct measurements. Those mentioned in the original file send by you, are taken as correct.

Together with the definitive AutoCAD file, digital photos of the final location of the terrace, and digital photos of important details of this location, must be send to Esthec® as well.