

Reference

PLEXIGLAS®

Michelangelo's David



Product

PLEXIGLAS® GS Block 0F00,
thicknesses 100, 60 and 40 mm

Fabricator/designer

k-tec GmbH, A-5550 Radstadt
<http://www.ktec.at>

Selection criteria

The choice went to PLEXIGLAS® because it was important for the material to be optically brilliant and have very good fabricating properties.

Description of application

David is the most famous sculpture in cultural history, and was created in Florence by Michelangelo between 1501 and 1504.



The statue measuring 5,170 mm in height can still be admired there today in the Galleria dell' Accademia.

The PLEXIGLAS® version was produced on a scale of 1:2 compared with the original David. The monolithic PLEXIGLAS® block was area-bonded from 100, 60 and 40 mm blocks using ACRIFIX® 5R 0194.

Prior to machining, the block measured about 2,700 x 1,000 x 600 mm and weighed around 2,000 kg. The replica faithfully corresponds to the original with a tolerance of only a few hundredths of a millimeter. This was achieved among other things by means of an extremely meticulous 120GB 3D precision scan.

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