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Subject: non-planar faces

Posted by [evouga](#) on Thu, 04 Oct 2012 21:53:03 GMT

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Is it possible to upload a surface with non-planar quad faces? How will shapeways handle them?

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Subject: Re: non-planar faces

Posted by [stonysmith](#) on Fri, 05 Oct 2012 01:49:06 GMT

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I think you are asking if you can have a quad where at least one of the points is in a different plane. The general answer is "no". For many file formats, all quads must be triangulated.

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Subject: Re: non-planar faces

Posted by [Fredd](#) on Fri, 05 Oct 2012 03:23:55 GMT

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A manifold surface area encloses a volume(where the chosen material solidifies) Since a face/quad/tri has no thickness,No volume ,it is not recognized as an object unless it is part of a manifold surface enclosing a volume. Consider the surface area a bubble, containing the volume where the material is supposed to be

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Subject: Re: non-planar faces

Posted by [evouga](#) on Fri, 05 Oct 2012 03:28:45 GMT

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Thanks. It sounds like I need to triangulate my faces.

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