

# The `!opacity` package

## Experimental opacity (transparency) support

The L<sup>A</sup>T<sub>E</sub>X Project\*

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### 1 Selecting opacity

Opacity (transparency) shares many characteristics with color. However, limitations in terms of backends mean that it is not always possible to use a dedicated stack for tracking opacity. The best results when breaking pages are therefore likely to result using direct PDF output (pdf<sub>L</sub>T<sub>E</sub>X, Lua<sub>L</sub>T<sub>E</sub>X) or with recent versions of (x)dvipdfmx: these backends do offer the necessary support.

For users of PostScript-based routes, note that there are security restrictions which can prevent opacity being available in output. In particular, using Adobe Distiller, you will need to enable transparency in the (text-based) configuration: this is not selectable from the GUI.

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<code>\opacity_select:n</code>	<code>\opacity_select:n {&lt;expression&gt;}</code>
<small>New: 2021-07-01</small>	Evaluates the <i>&lt;expression&gt;</i> , which should yield a value in the range [0,1]. This is then activated as an opacity for both filling and stroking.

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<code>\opacity_fill:n</code>	<code>\opacity_fill:n {&lt;expression&gt;}</code>
<code>\opacity_stroke:n</code>	Evaluates the <i>&lt;expression&gt;</i> , which should yield a value in the range [0,1]. This is then activated as an opacity for filling or stroking, respectively.
<small>New: 2021-07-01</small>	

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