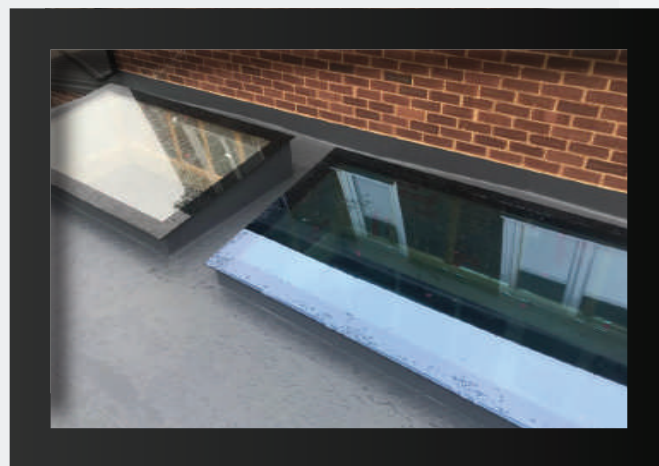
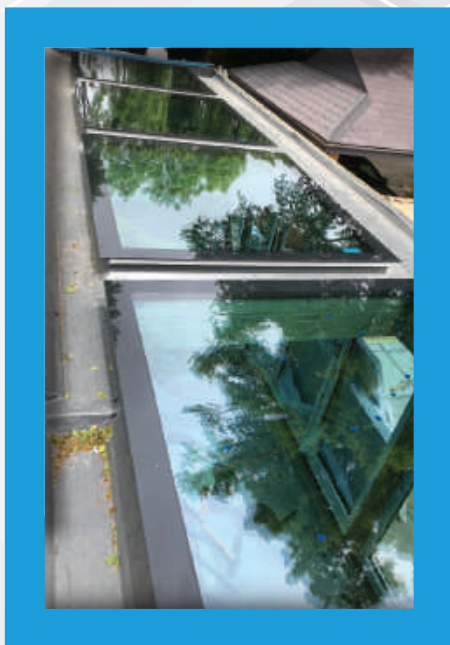


ROOFLIGHTS



ROOF  
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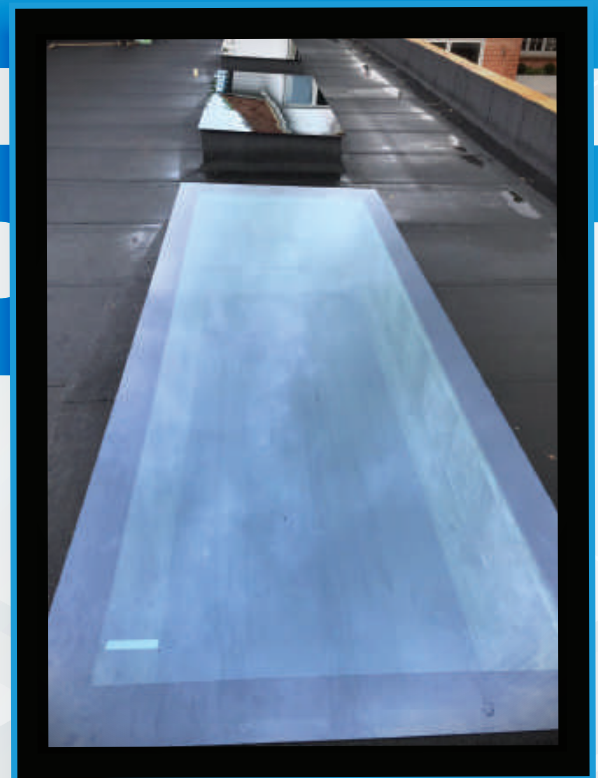
**RLRL Flat  
Rooflight Measuring &  
*Installation Guide***

## Easy & Hassle-Free Fitting

The rooflight we supply can be easily installed by a roofer or builder. We supply this complete and easy-to-follow step-by-step guide, including technical support documentation, in order to facilitate the installation.

Each rooflight that we supply can be conveniently installed on an insulated upstand coupled with an anodized aluminium angle trim, which your roofer/builder can provide.

Any installation-related diagrams and information you see on this page is for general guidance purposes only as each project can vary in terms of design and construction according to the architect's drawings. Furthermore, upstand dimensions and design may also vary based on the architect's drawings and insulation specifications. However, your rooflight may be custom designed at an additional cost to suit wider upstands featuring larger than 100mm overhangs, should you require.



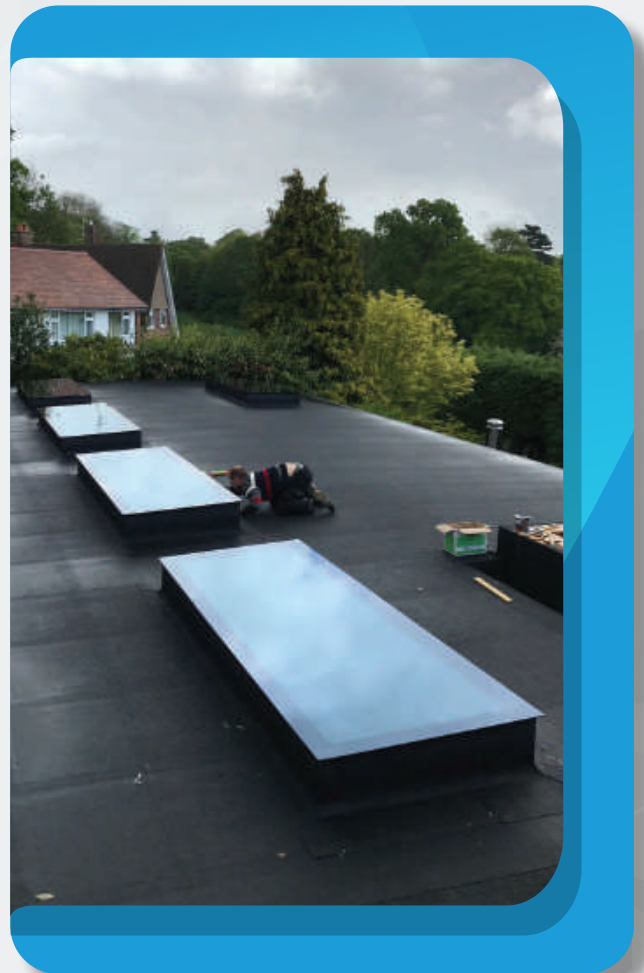
ROOFLIGHTS



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# General Installation and Measurement Guidelines

RLRL rooflights are very easy to install by a competent roofer or builder. Below, you'll find a simple fitting guide explaining each step. In order to get technical support, you can contact us via email or give us a call.



ROOFLIGHTS



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## How to measure the opening

Before you can buy your rooflight, the first step is to take measurements of the structural opening where you want the rooflight to go. It is recommended that at least 5mm tolerances should be allowed all around the structural opening in order to let the rooflight's bottom pane fit effortlessly into the opening.

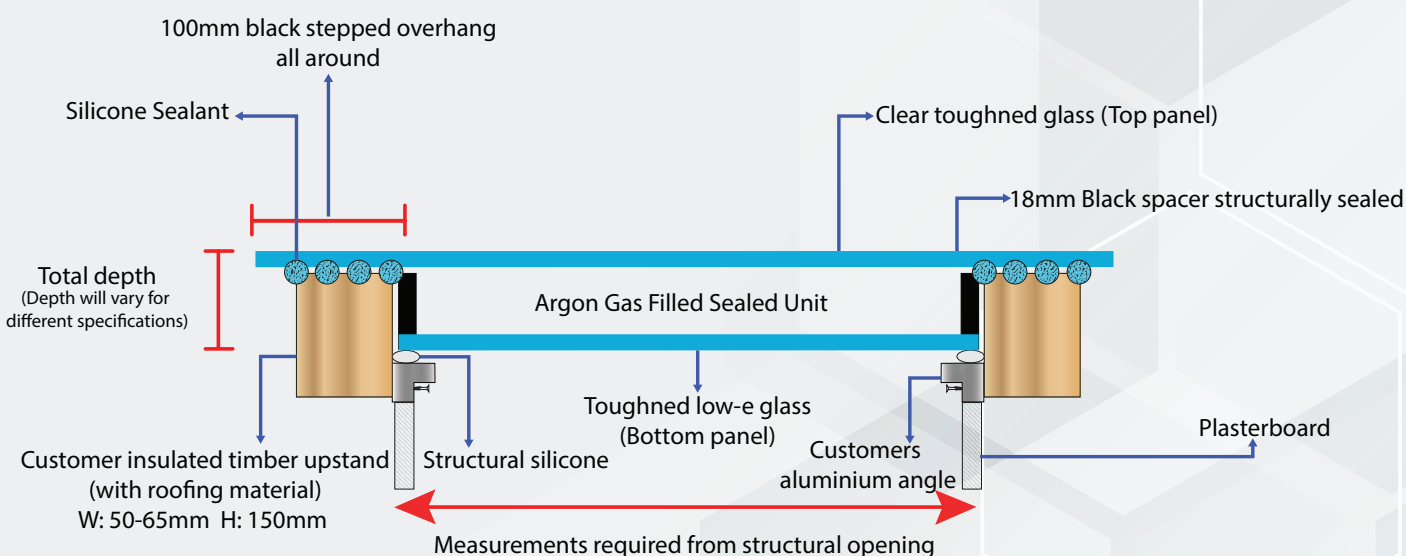
For instance, if you purchased 1000mm x 1000mm rooflight from the drop down menu on our website this will be the size of the top pane of glass that rests on top of the upstand. The bottom pane of glass will be 100mm smaller all around which would make the bottom pane 800mm x 800mm. You would make the structural opening 810mm x 810mm, upstand width up to 65mm wide and height 150mm high in this example.

For all standard rooflight units, the top pane has a black 100mm boarder and a 100mm overhang all around. The top pane can be made bigger for bigger upstand width if required at an additional cost.

For clarity as another example, if you purchase a 1000mm by 2000mm from our drop down menu on our website. For this size skylight the bottom pane that slots into the structural opening will be 100mm smaller all around making it 800mm x 1800mm which means your structural opening should be 810mm x 1810mm. Upstand width should be up to 65mm wide and 150mm high, allowing at least 30mm lip on each side of the top pane as per diagram below.

### The diagrams below should give you further insights:

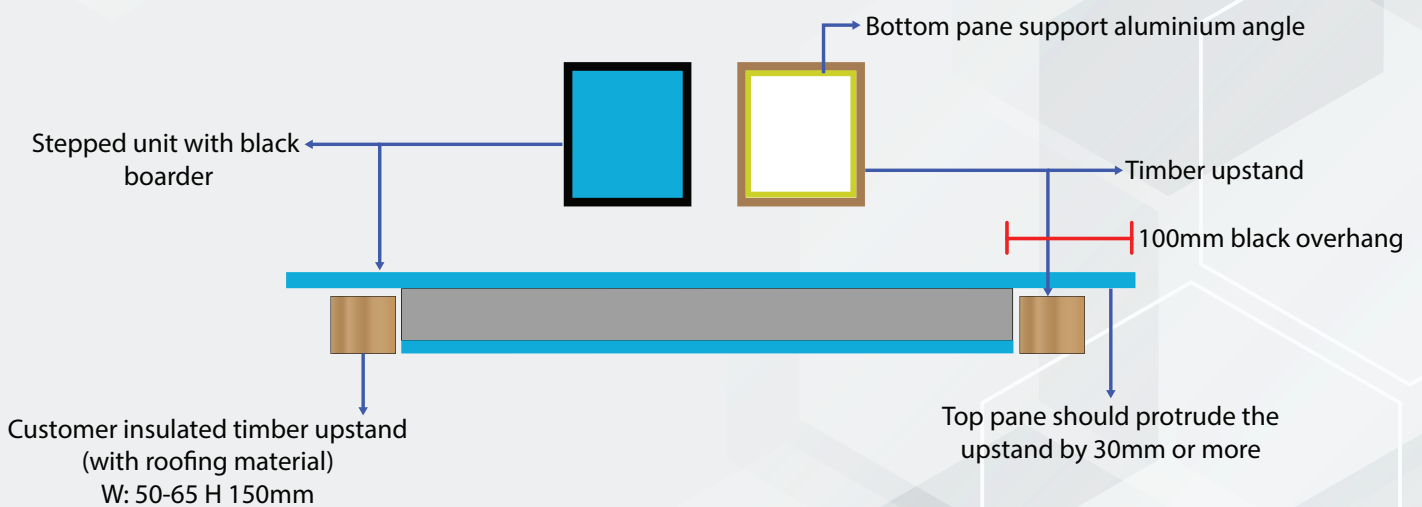
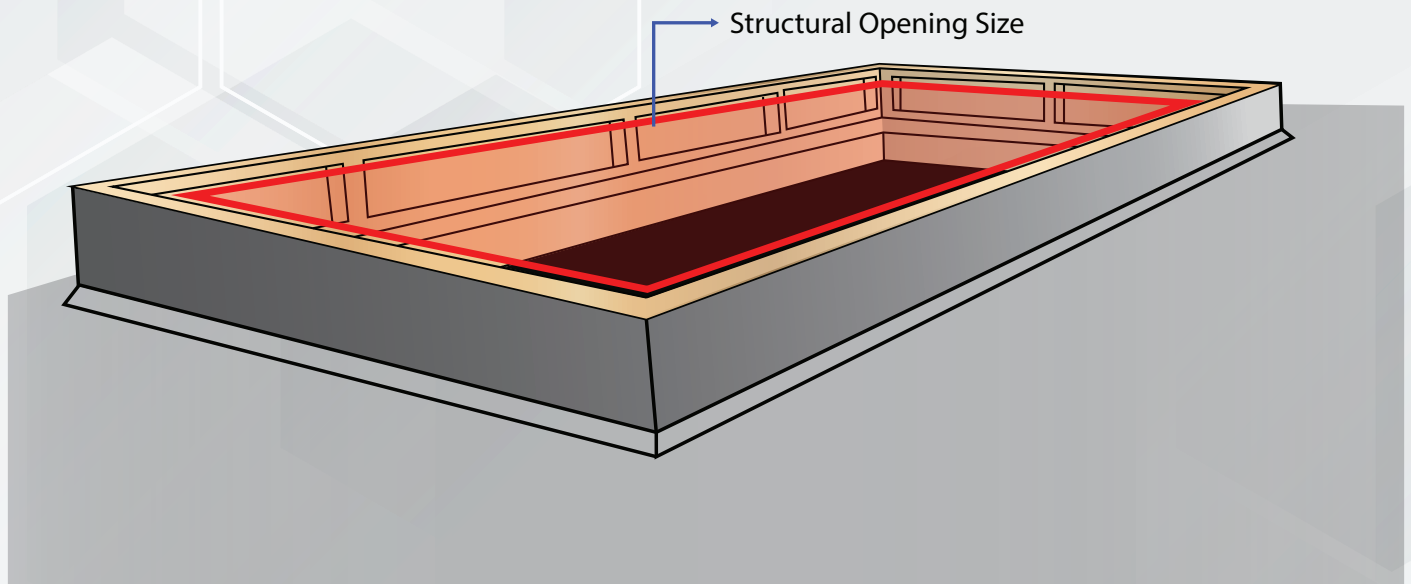
Glass thickness, depth and specification will vary depending on options selected



# How to prepare your roof

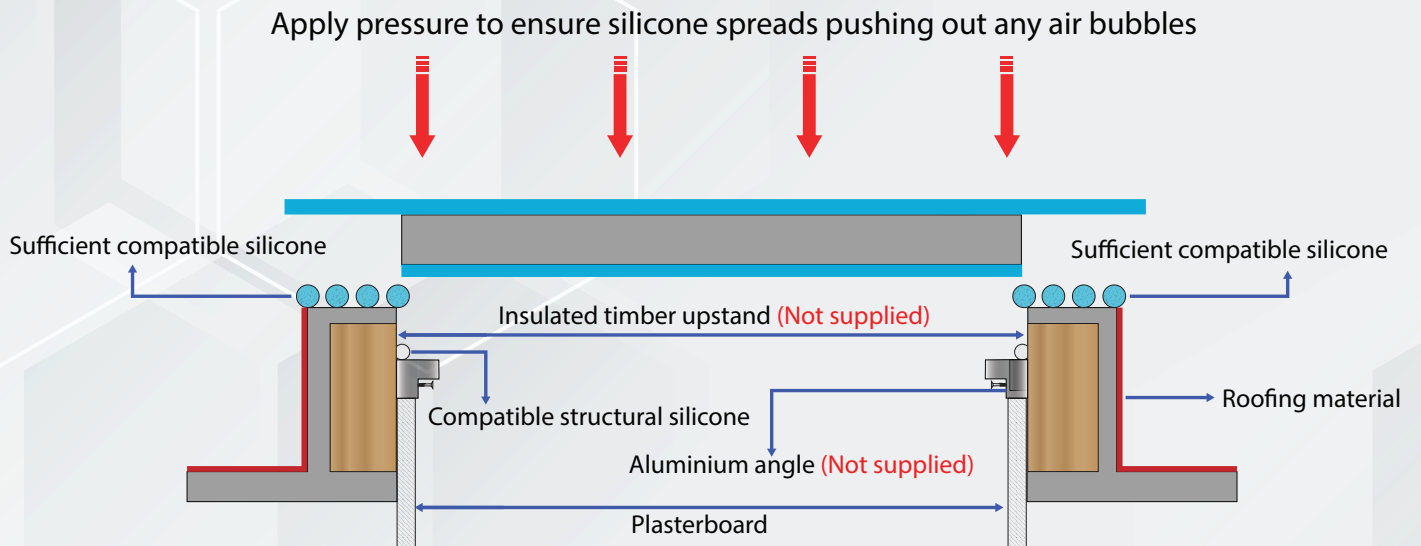
The rooflight IGU is secured onto a timber kerb which will be prepared by your roofer or builder as part of the flat roof construction process.

It's important for the timber upstand to protrude at least 150mm above the roof. Ensure that the pitch is at least 6°, which is deemed sufficient to allow water to flow down easily and prevent water pooling on top of the glass.

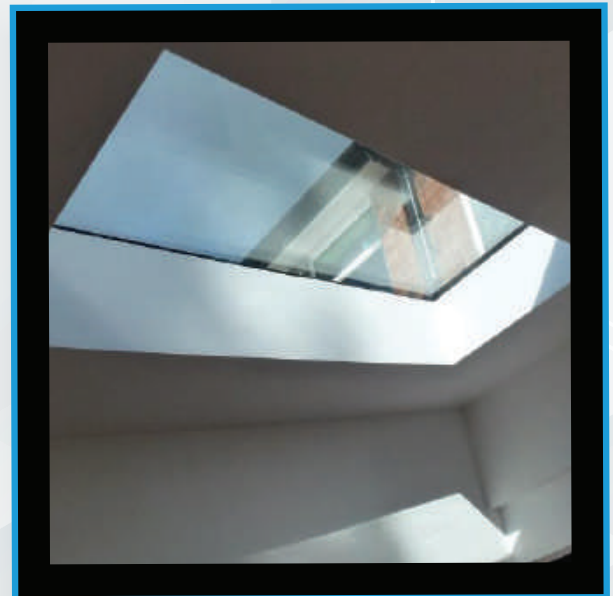
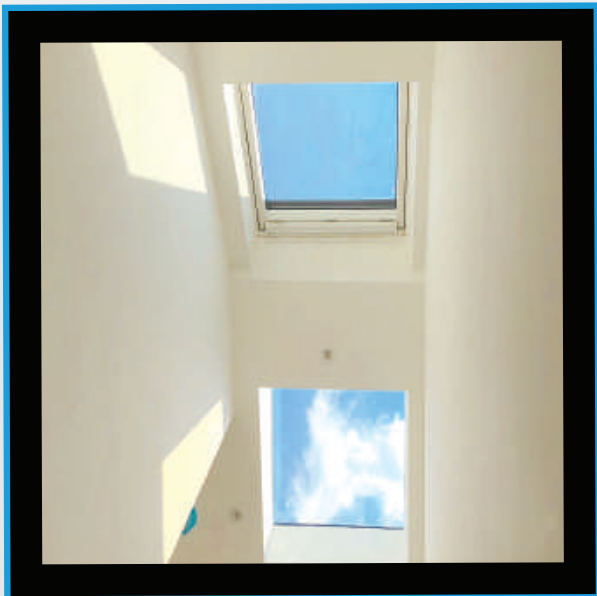


# How to install your rooflight

The last step required to finish the roof before you can install your rooflight is to apply a roof covering to the upstand's side, which makes it weatherproof (illustration below).

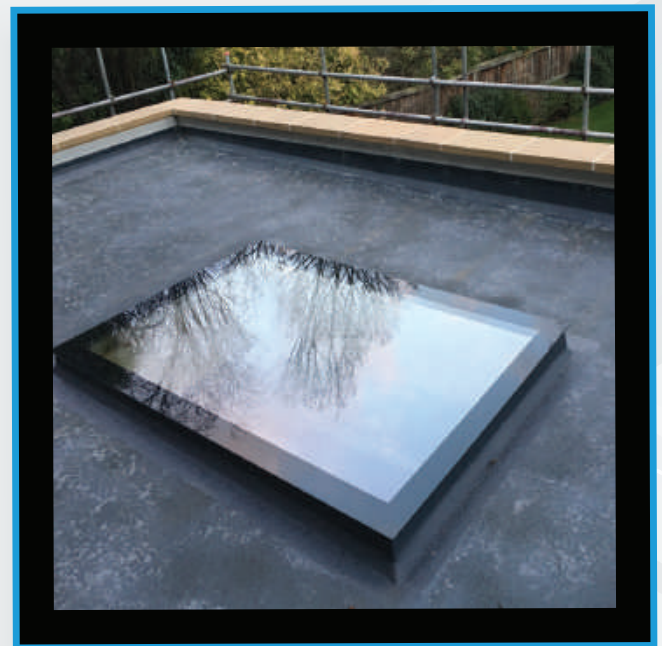
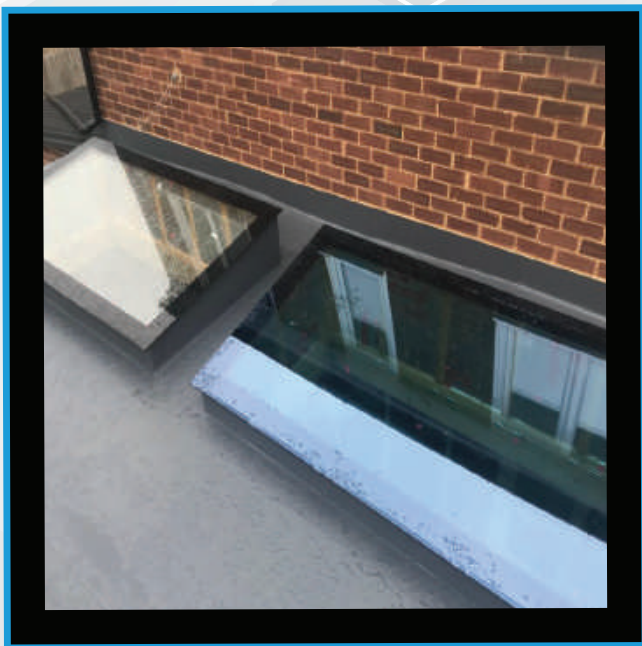


Just to quickly reiterate, it's important to get the timber upstand to protrude by at least 150mm above the roof – the pitch should be 6°, allowing rainwater to flow down with ease. Before sealing the rooflight with silicone, water can be applied to test the flow off of water, if pooling occurs a higher pitch may be required.



Apply a reasonable amount of low modulus silicone to the Upstand's top part according to the silicone supplier's data sheet, after which you can place the top pane rooflight onto the top of the upstand. Setting blocks can be used to achieve silicone thickness required. Apply pressure all around the 100mm overhang so that the silicone spreads evenly and seals any gaps. Finish the silicone with a silicone finishing tool.

Next, the bottom pane needs to be supported on all four sides after it is set in place with the aluminium angle fitted and bonded prior to the plasterboard. Secure the aluminium angle to the timber structure. Apply compatible structural silicone between the bottom aluminium angle trim's surfaces and the bottom pane of glass according to the supplier's data sheet, and firmly secure into place. Wipe away any excess silicone using a finishing tool. The aluminium angle can then covered with plasterboard.



The bottom and top panes of glass at this stage are fully supported. Only sealants compatible with the top of the upstand, glass, aluminium angle trim and setting blocks should be used. Sealants used should be compatible with Dowsil 3363. Dowsil 791 low modulus weather proofing silicone and Dowsil 895 Structural sealant are compatible with Dowsil 3363. Some sealant suppliers may require primer to be applied to surfaces.