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Superhydrophobic Powder (FSX V1) Overview

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Draft

Hi,

The superhydrophobic silica based powder is a powder coating used to make underlying surfaces superhydrophobic. The powder works by electrostatically attaching to cellulosic surfaces. I have attached some documents describing the coating in further detail.

If you would like to see how the coating works, please view the videos below:

Superhydrophobic Powder on Cardboard:

https://youtube.com/shorts/MDIFy_F4iS0?feature=share

Superhydrophobic Powder on Bamboo

<https://youtube.com/shorts/PXxSEXm29b8?feature=share>

Superhydrophobic Powder on Cardboard vs Various Liquids:

<https://youtu.be/wZ0iz8yEhHo>

Superhydrophobic Powder on Paper:

<https://youtu.be/ZZ2iUruxp4k>

Coated Paper Underwater Writing:

<https://youtu.be/ZFgGKotxuA4>