

- Thermo-optical control
- Corrosion protection
- Hydrophobicity
- Lubrication
- Wear resistance
- Biocompatibility

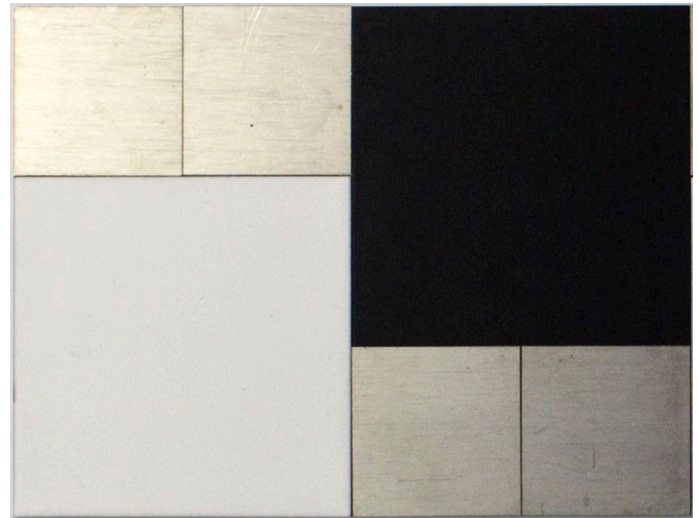
ENBIO's thermo-optical coatings are designed to survive the harsh conditions of space, and are tested to the highest standards of the European Space Agency. Thermo-optical properties remain extremely stable even after thousands of equivalent-sun-hours. The coatings are free from volatile organic compounds, essentially eliminating out-gassing and making them environmentally safe.

ENBIO are developing corrosion resistant coatings with the aim of matching the performance of zinc-rich paint primers, with the process efficiency and environmental benefits of CoBlast. Several corrosion resistant coatings including zinc phosphate, magnesium phosphate, and cerium oxide can be deposited using CoBlast, with no VOC content and minimal waiting time before the application of a topcoat.

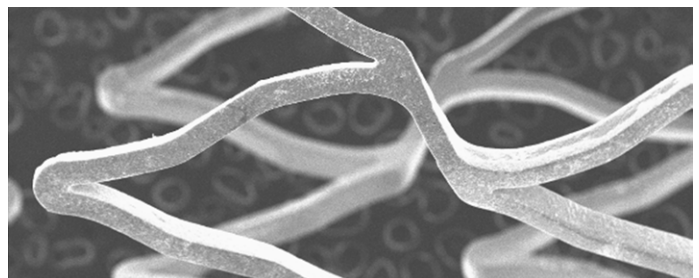
Hydrophobic Skins in development have reached water contact angles of 150° and hysteresis $<10^\circ$. These coatings are being tested for durability, and they already contend with many available superhydrophobic options.

CoBlast Skins have achieved a coefficient of friction below 0.15, as measured by the pin-on-disk method. These coatings exhibit significantly reduced wear compared to the untreated substrate.

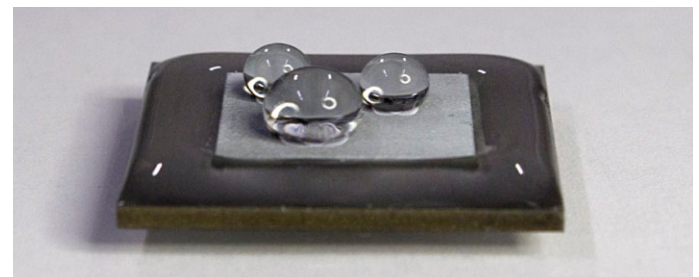
ENBIO began life in the medical device industry and continues to offer biocompatible Skins with many significant advantages over competing coating technologies. Calcium phosphates can be applied where other coating process may fail, such as on nitinol or magnesium, and on flexible parts such as stents.



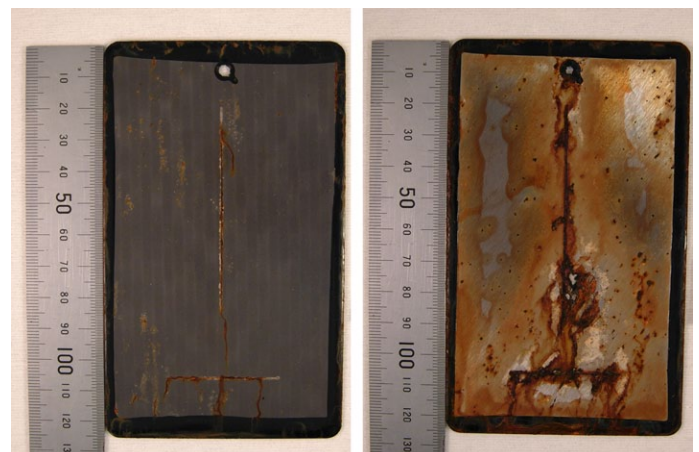
Thermo-optical control



Biocompatibility



Hydrophobicity



Corrosion resistance

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