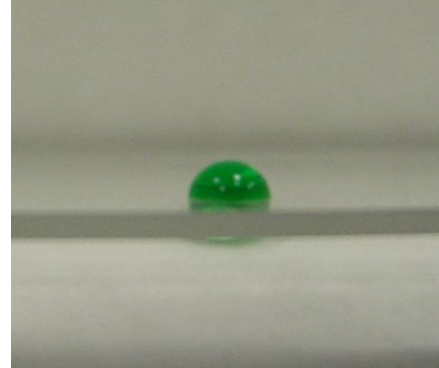




Non-stick properties of Cerablak™

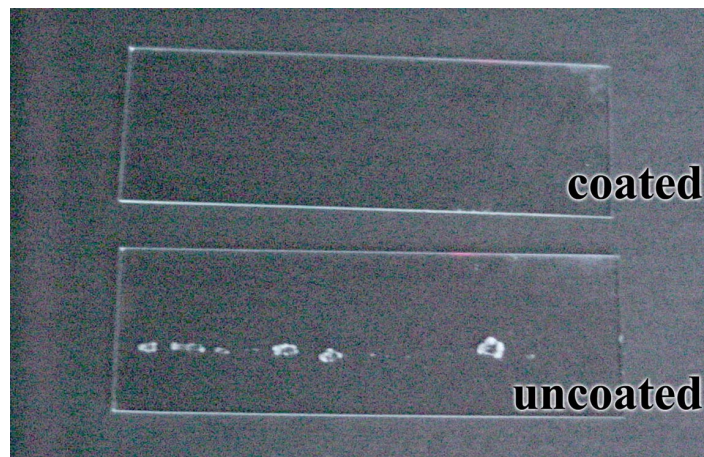
Cerablak™
coated



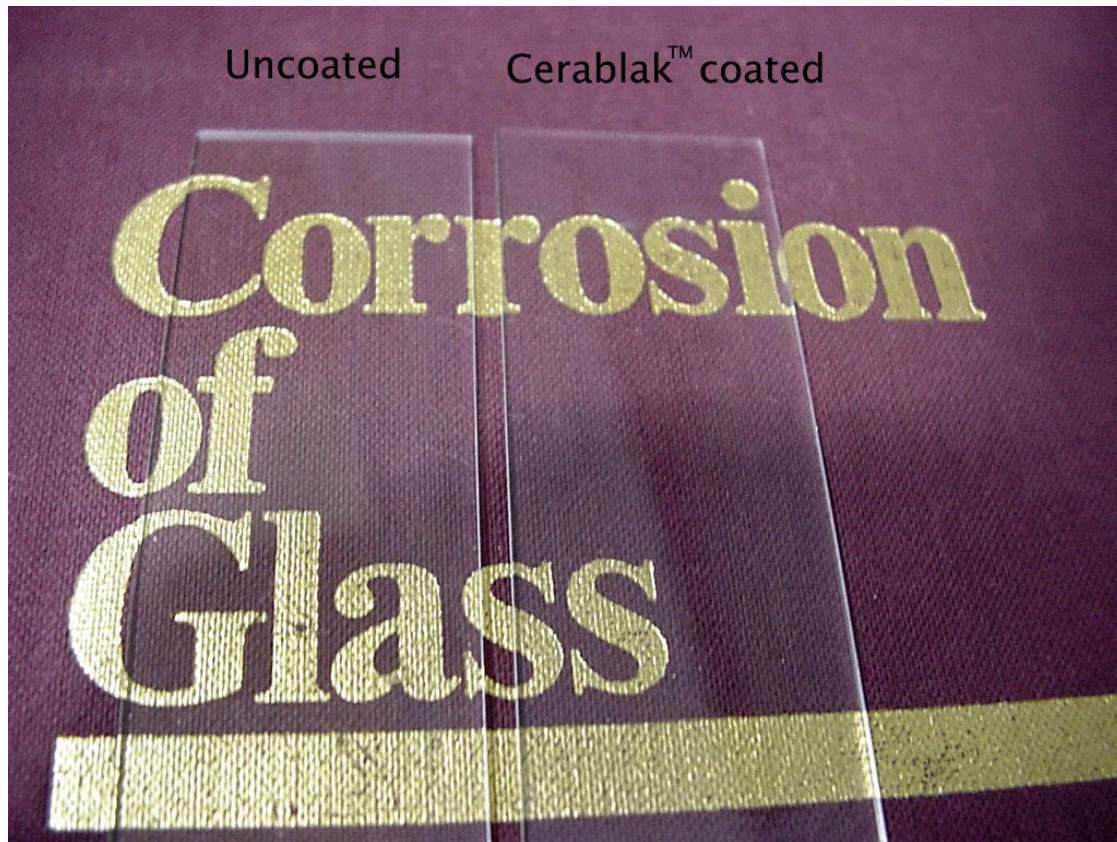
uncoated



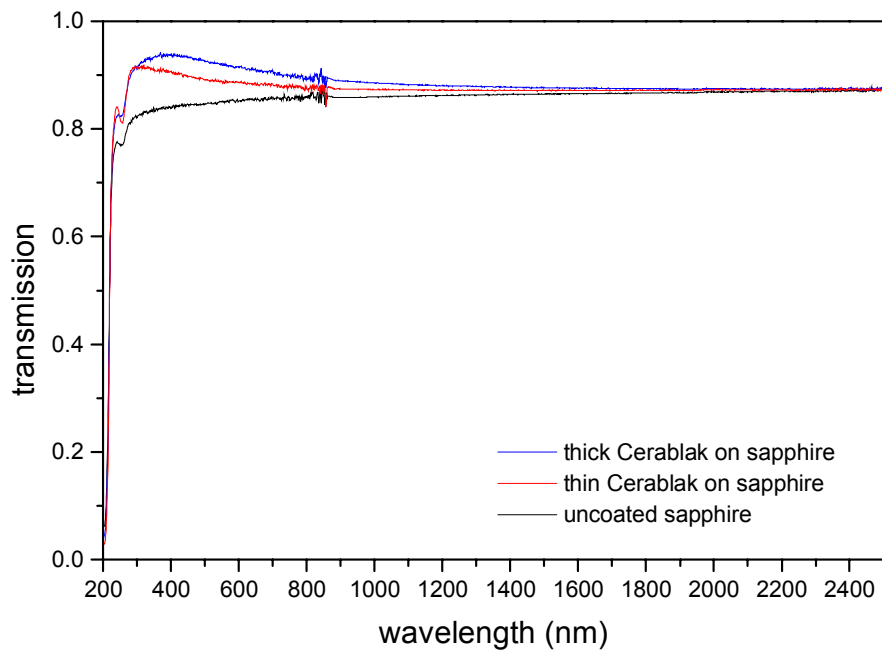
Colored water drops on Cerablak™-coated and uncoated borosilicate glass. The contact angle is significantly higher for the Cerablak™-coated material, indicating its hydrophobic nature.



Cerablak™-coated and uncoated borosilicate glass. The samples were inclined at an angle of ~60 degrees and a drop of salt water was allowed to drain along the inclined plane. The residue from the salt can be readily seen for the uncoated slide, suggesting superior non-wetting behavior for coated material.



Optically transparent Cerablak™ coatings on glass by dip process.



Transmission spectrum of Cerablak™ coated and uncoated sapphire, showing excellent transparency in the UV, visible, and IR ranges.