




CONSTGLASS



Table of results



### 1-Pilot object

<b>Pilot object:</b>	Canterbury Cathedral S VII 4 Decorative border	
<b>Picture</b>		<b>Identification of the panel:</b> S VII 4 internal face in transmitted and reflected light  <b>Treatment:</b> <b>Product :</b> Microcrystalline Wax no:1129 and Polythene A Wax (unknown mixture quantities); <b>Application:</b> Wax diluted with white spirit. Applied with a brush and mechanically polished.



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## 2-Results

**sample reference:**

CAN S VII 4

Questions	Techniques	Answers
<p><b>Morphology</b></p> <p><i>What is the physical appearance/condition of the wax?</i></p> <p><i>Is there/ has there been any microbial activity on the wax surface?</i></p>  <p>Surface of wax under reflected light</p>	<b>Optical Microscope</b>	The wax appears to be intact – mechanical polishing marks still visible. A light layer of accumulated dust on wax surface. Appears to remain transparent. Mild surface sheen when illuminated by reflective cold light. Paint appears solid and in good condition under the wax.
	<b>SEM</b>	
	<b>Nano tomography</b>	
	<b>Tomography on Synchrotron</b>	
<b>Chemical Composition</b>	<b>SEM</b>	
<b>Organic component composition</b>	<b>FTIR</b>	
	<b>RAMAN</b>	
<p><b>Microbiology</b></p> <p><i>Is there/ has there been any microbial activity on the wax surface?</i></p>	<b>Molecular biology ATP measurements</b>	Very low levels of fungal spores detected, no typical micro flora for historic glass, very low metabolic activity. No significant difference between archive storage and in situ.
<b>Reversibility</b>	<b>Test studies Elimination</b>	
<b>Re-treatability</b>	<b>Test studies Re-treatability</b>	No need. No treatment recommended.