



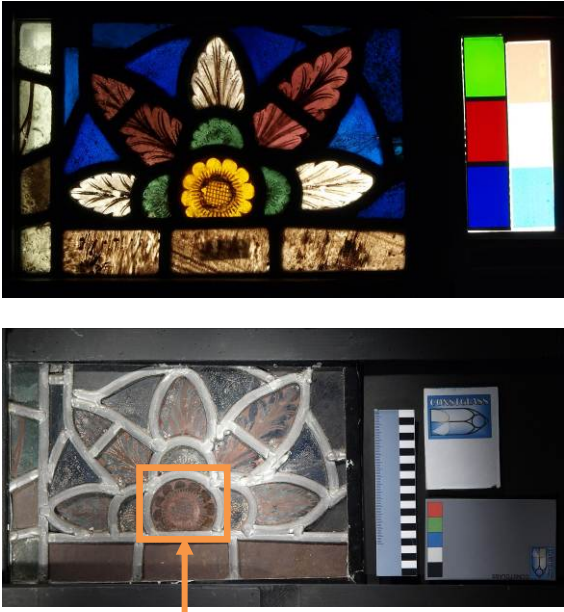
CONSTGLASS



Table of results



### 1-Pilot object

<b>Pilot object:</b>	Canterbury Cathedral sVII 1 Decorative border	
<b>Picture</b>	 <p data-bbox="446 1220 566 1265">Sample</p>	<p><b>Identification of the panel:</b> sVII 1 internal face in transmitted and reflected light</p> <p><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.</p>



**CONSTGLASS**



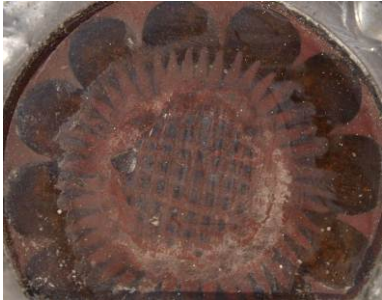

Table of results





## 2-Results

**sample reference:**

CAN sVII 1 Wax Shavings

Questions	Techniques	Answers
<p><b>Morphology</b></p> <p><i>What is the physical appearance/condition of the wax?</i></p>  <p>Selected area for sampling in reflected light (before)</p>  <p>Selected area for sampling in reflected light (after)</p>	<p><b>Optical Microscope</b></p>	<p>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</p>
	<p><b>SEM</b></p>	
	<p><b>Nano tomography</b></p>	
	<p><b>Tomography on Synchrotron</b></p>	
<p><b>Chemical Composition</b></p>	<p><b>SEM</b></p>	
<p><b>Organic component composition</b></p> <p><i>If there is wax present that is significantly different from the microcrystalline wax or polythene A?</i></p> <p>To determine if the same mixture was used on all windows.</p>	<p><b>FTIR</b></p>	<p>Wax shavings sent to the Fraunhofer Institute. Results found that Microcrystalline wax no:1129, Polythene A wax and Ozokerite wax 7020 are present in the wax shavings taken from this panel (unknown ratio)</p>
	<p><b>RAMAN</b></p>	
<p><b>Microbiology</b></p>	<p><b>Molecular biology ATP measurements</b></p>	
<p><b>Reversibility</b></p>	<p><b>Test studies Elimination</b></p>	

		
	<p><b>CONSTGLASS</b></p>	<p>Table of results</p>
<p><b>Re-treatability</b></p>	<p><b>Test studies Re-treatability</b></p>	<p>No need. No treatment recommended.</p>