



CONSTGLASS



Table of results

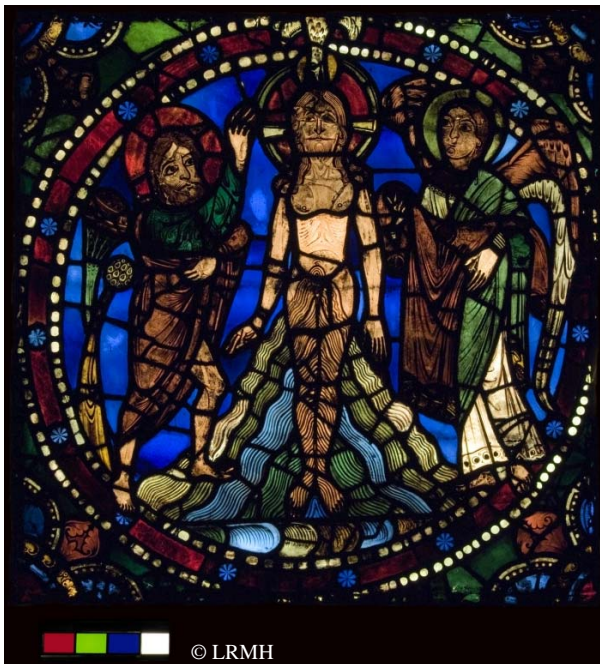


1- Pilot Object

Pilot object:

The *Infancy and life of Christ*, CHARTRES
Bay 50, panel 38

Picture



© LRMH

Identification of the panel:

Bay: 50
Panel: 38
Internal face, transmitted light
Internal face, reflected light



Treatment:

- 1976, by Gaudin studio.
- Product: Silicone CAF 3
- Application: with a soft brush after cleaning.






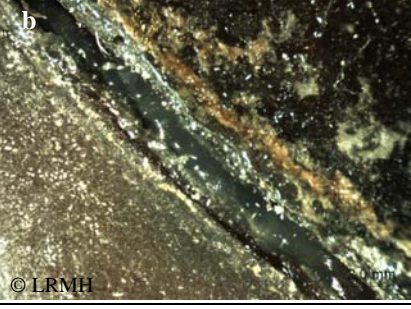
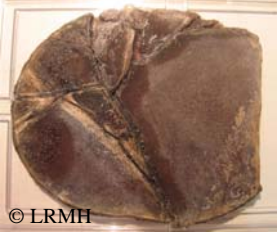
© LRMH



	<h1>CONSTGLASS</h1>	
	<h2>Table of results</h2>	

2-Results

Sample reference: *CHA_b50p38_E_v1 : beige glass, with silicone bonding and back plating*

Questions	Techniques	Answers
<p>Morphology</p> <ul style="list-style-type: none"> - What is the morphology of the weathered coating? - How is the bonding between coating and glass?  <p>© LRMH <i>Internal surface, transmitted light</i></p>  <p>© LRMH <i>External surface of the plating, reflected light</i></p>	<p>Overview and Optical Microscope (LRMH)</p>	 <p>a- internal surface b- detail of a silicone bonding</p> <p>Silicone rubber has been sucked by capillarity between the two pieces of glass.</p>  <p>Some deposits could have a biological origin.</p>
	SEM	<p><i>Not foreseen in this case</i></p>
	Desktop tomography	
	Phase-contrast tomography on Synchrotron	
Chemical Composition	SEM/EDX	
Organic component composition	FTIR	
	RAMAN	
Microbiology	Molecular biology ATP measurements (LRMH)	<p><i>Results of ATP measurements :</i> none</p> <p><i>Results of culture in Malt-Agar :</i> none</p> <p>Overview of external surface of the piece, in contact with the plating.</p>  <p>© LRMH</p>
Reversibility	Test studies Elimination	<p><i>Not foreseen in this case</i></p>
Re-treatability	Test studies Re-treatability	

Conclusion: Despite of the silicone rubber sucked at the level of breakages, there is no damage for the ancient glass, in this particular case. There is no microbial activity on the suspicious deposits. The back plating and edge bonding are in a good state of conservation. No re-treatment is needed at the moment.