

#### 1-Pilot object





## CONSTGLASS



Table of results

CAN SXXVIII D8



#### 2-Results

#### sample reference:

Questions	Techniques	Answers
Morphology What is the physical appearance of the coating? Is the coating stable? On both areas the remaining coating was on the rougher textured area of glass.	Optical Microscope	The coating was delaminating on the test areas. Unstable surface, non uniform covering. Deterioration of the film: Micro cracks and detachment. Loss of transparency. A higher magnification indicates the coating has not taken off the gel layer.
Has the coating come off the smooth glass surface?	SEM	n/a
	Desktop tomography	n/a
<text></text>	Phase-contrast tomography on Synchrotron	n/a
Chemical Composition	SEM/EDS	
<b>Organic component composition</b> What is the chemical composition of the coating?	FTIR (LRMH)	The composition does not correspond with LRMH reference spectra. Viacryl® is the closest.
Is it lie same coating applied to CAN CI? Is it Viacryl®? What is the ratio of Viacryl® and Desmodur®? Has the coating degraded or changed in any way?	RAMAN	n/a



Microbiology	Molecular biology	No microbial activity was visible under optical
Is there microbial activity?	ATP measurements	microscope.



# CONSTGLASS



### Table of results



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Reversibility (A)	Test studies	Dichloromethan	e CH2 Cl2 + Klucel G solvent gel in
	Elimination	compress / poult	ice
How can we remove the coating without damage to			
the paint layer?	Area selected for	Duration	Result
	reversibility test on	1 minute	Coating is lifting off in flakes
What method and solvent can we use?	panel SXXVIII D8		that can easily be removed with a
			scalpel or bristle brush.
Is the coating stable?	1 CARLAS	5 minutes	Coating has lifted and turned
			white and flaky. The solvent has
How are the solvents reacting with the glass	A MARKEN		evaporated and a lot of the flakes
corrosion, putty and lead?			can be removed with a bristle
······································			brush Remaining coating is
How do we remove all trace of the solvent?	Miground Times Real		mostly on the textured corrected
now do we remove all made of the solvent.	D8 Coating		aloss surface
		D 1' 1	glass surface.
		Reapplied	Most of the remaining coating
		fresh gel.	has flaked and lifted and can be
	A CARLEN	Then	brushed off. The last remains
		observed 5	could be removed with a swab
	A MARCH PROPERTY AND	minutes later	moistened with dichloromethane
		Dichloromethan	e gel compress: Stages
	Do Continue da	1021	
	D8 Coating under		
	optical microscope		
	before reversibility		
	test		
		A DECEMBER OF A	
		1. Japanese paper ap	pplication 2. Solvent gel application
		19	
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		A HART PLANT PERSON IN	A STATISTICS OF A STATISTICS O
		3. Absorbant pad app	4. Melinex sheet application
		100	
			Chester and the second
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			and the second sec
		the state	Line of the State
		5 Compress remova	1 6 Dry flakes of coating
		5. Compress remova	remain
		NO IL	
		A Marine	All the second second
		and the second	The second
		7. Flakes brushed of	f 8. Final swab clean with
		in the orabited of	Dichloromethane

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	Table of resul	ts		CANTERBURY
<b>Re-treatability</b> <i>Do we need to re-treat the glass?</i>		Test studies Re- treatability	No need. No trea	tment recommended





# CONSTGLASS



## Table of results



Reversibility (B)	Test studies	Ethanol + Klucel G solvent gel in compress /		
	Elimination	poultice.		
How can we remove the coating without damage to				
the paint layer?	Area selected for	Duration	Result	
	reversibility test from	1 minute	No visible difference to the	
What method and solvent can we use?	panel SXXVIII D8		surface of the coating	
		5 minutes	The coating has softened and it	
Is the coating stable?	ales A		was removable with a scalpel.	
How much a solution of the solution of the solution		10 minutes	Softened further, removable with	
corresion putty and lead?		D II I	a scalpel	
corrosion, pully and lead:		Reapplied	Some coating could be removed	
How do we remove all trace of the solvent?	ST. St. Millimetricity	Then	with a swab moistened with	
	D8 Coating	observed 10	evanorated the coating was hard	
		minutes later	to detect without strong light	
	12/34 B	Reapplied	Much of the coating has been	
	2002	fresh gel.	removed, what remains is in the	
		Then	textured surface.	
	The second second	observed 10		
		minutes later		
	D8 Coating under			
	optical microscope			
	before reversibility	Ethanol gel com	press: Stages	
	test	1.Japanese paper app	Dication 2. Solvent gel application	
		3. Absorbant pad app	Dilication 4. Melinex sheet application	
		5. Compress remova	Image: A stateAContractCon	
		7. Flakes brushed off	F 8. Final swab clean with ethanol	

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CONSTG	Table of resul	ts		CANTERBURY
<b>Re-treatability</b> <i>Do we need to re-treat the glass?</i>		Test studies Re- treatability	No need. No trea	tment recommended

