




	<h1>CONSTGLASS</h1>	
	<h2>Paraloïd B72[®] Consolidant</h2>	

Pilot objects	KLAUSEN	CANTERBURY	FRESH MATERIAL
Bay (date)	I, choir axis "Crucifixion and Flight to Egypt" (1878)	CAN N XVII 7	samples: Ugent/Para/1 Ugent/Para/Kontur/1 LBW/Para/1 LBW/Para/2 LBW/Para/3
Exposure - protective glazing	East	North	-
Composition of the product	EMA/ MA 70/30; 1% Toluol	Microcrystalline wax 1129 re-treated with Paraloid [®] B72	methacrylate/ethyl methacrylate (70/30), 5% in Toluene
Application: date (age of product) ; studio ; protocol	1991 Cologne Cathedral	1992 (18 years) Re-treatment of ancient consolidation with wax	2008: Cologne Cathedral (protocol), application 3 times
Morphology			
Direct observation	Paraloid [®] B72 was used for the stabilization of damaged paint layers. The treatment of the contours is visible. During the application it sunks well into the contours. The today's condition of the Paraloid [®] B72 seems to be stable.	Paraloid [®] B-72: remains stable and clean.	good, stable, a little bit flexible
SEM observation	-		-
Desktop Xrays tomography	-		-
Synchrotron tomography	-		-
Chemical behaviour			
FTIR			-
Raman			-
Mechanical behaviour			
	The treated areas are more stabil in comparison to the untreated areas.		stable, a little bit flexible
Contamination			
Fungi			medium
Bacteriae			no
Active infestation			
Biological activity	n/a; investigations done with fresh Ormocer [®]		medium
Microbiological susceptibility			
		no microbial activity under the microscope	scarcely under moist conditions
Reversibility			
Product 1	it is possible with different solutions, but it is risky because of the oil-lacquer	Complete and safe removal of Paraloid [®] B72 possible.	-
Product 2	-		-
Re-treatability			
Product 1	it might be possible with all usual materials		-
Product 2			-
General observations			
	From the conservator's point there is no necessity to remove Paraloid [®] B72 at the moment.	No delamination of the Paraloid [®] B72 over 18 years with internally ventilated protective glazing.	-
Recommendations			

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Safety/healthy	-	Fume extraction during application of Paraloïd [®] B72.	-
Preparation		Solid Paraloïd [®] B72 was dissolved in acetone until correct liquid consistency was achieved. Before application glass surface must be free of dust.	-
Application		Applied with a small brush.	-
Future conditions of conservation	-	Continue to monitor. Protective glazing works well.	-