

CONSTGLASS



Epidian® 53

Pilot objects	Krakow
Bay (date)	Smolensk 9, staircase, bay 1, 1913
Exposure - protective glazing	not
Composition of the product	epoxide resin: Epidian [®] 53 (or 55) with amino hardener (100 : 10)
Application: date (age of product);	seventies - eighties of 20th c. (?).
studio ; protocol	
Morphology	
Direct observation SEM observation	yellowing, partly poor adhesion to glass hairline breaks
Desktop Xrays tomography	poor penetration into breaks
Synchrotron tomography	poor penetration into breaks
Chemical behaviour	(R)
FTIR Remon enertroppent	epoxide resin, but probably not Epidian [®] not made
Raman spectroscopy	
Mechanical behaviour	
Contamination	
fungi	glass - low , putty possible
bacteriae	glass - low , putty possible
Active infestation	
Biological activity	no
Microbiological susceptibility	
	low
Reversibility	
water-ethanol mixture	no
n-pyrrolidone	no
other	no
Retreatability	
good adhesion	not possible
poor adhesion	
General observations	
Mechanical removal of not	temporary fixing of cleaned glass with Paraloid [®] B72 (15% toluene)
adhered parts, removal fo strong	
adhered ones not possible	
Recommendations	
Safety/healthy	well ventilated area, protective gloves
Preparation Application	cleaning of bonded surfaces on cleaned breaks only
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Future conditions of conservation	no protective glazing, mechanical removal was possible, bonding breaks with epoxide (Aralidite $^{\circledast}$ 2020) possibly