

# HXTAL NYL-1

## HXTAL NYL-1 TECHNICAL SHEET

Developed specifically for the conservation and restoration industries, HXTAL NYL-1 is a two part, low viscosity epoxy with exceptional non-yellowing properties combined with high strength characteristics.

HXTAL NYL-1 is a hard, water white epoxy that bonds to glass, ceramic, metals, wood, ivory, marble and many other substrates.

For best results, HXTAL NYL-1 should be accurately mixed by weight 3 parts of A (resin) to 1 part B (hardener).

HXTAL reaches 90% bond cure in 7 days at room temperature (roughly 75°F, 24°C).



### TECHNICAL DATA

#### PHYSICAL PROPERTIES

Appearance	Colorless, clear two part epoxy
Tensile Strength	5400psi
Tensile Modulus	316,000 psi
Elongation	3%
Flexural Strength	10,100 psi
Flexural Modulus	365,000 psi
Impact Strength	0.14 ft lbs/inch
Heat Distortion Temp 264/66psi	37.5°C/39°C
Hardness (Shore D) 0/10secs	78/73
Refractive Index	1.515
Gel time, 110g mass 150°F 100°F	25.8 minutes 262.7 minutes
Cure of 0.2mm film at 25°C Cure to touch Full Cure	15.3 hours 30.9 hours
Initial Yellowness index	~6
Yellowness after 1600 hours of weatherometer exposure	~6-8
Yellowness after 3000 hours of weatherometer exposure	~13

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