

LIGHT LOCK N°1

THE FIRST ODOURLESS LIGHT CURING CYANOACRYLATE

AFINITICA® LIGHT LOCK N°1 is a unique product in the market. The proprietary formulation exploits a novel photoinitiator system that is highly sensitive to visible and UV light. Light lock n°1 additionally functions as an odourless instant adhesive offering high bonding strength on a plethora of substrates.

FEATURES



HIGH
PHOTOSENSITIVITY



ADHESION AND
COATING



DUAL CURE
SYSTEM



NON-IRRITANT

- Dual cure system: instant and photocure
- High photosensitivity to visible and UV light
- Room temperature storage stability
- Dry to touch, tack free surface cure
- Cure-on-demand of excess material exuded from bondlines
- Bonds, fills, reconstructs and coats
- Odourless, non-staining
- Non-lachrymatory, non-irritant, label free
- Available in different viscosities: low (LV), medium (MV) y high (HV)**

TYPICAL APPLICATIONS

- Functional coatings
- Working with transparent substrates
- Bonding of medical devices
- Jewellery design
- Large area tack free odourless coatings



(*) Except polyolefins (***) High viscosity under development

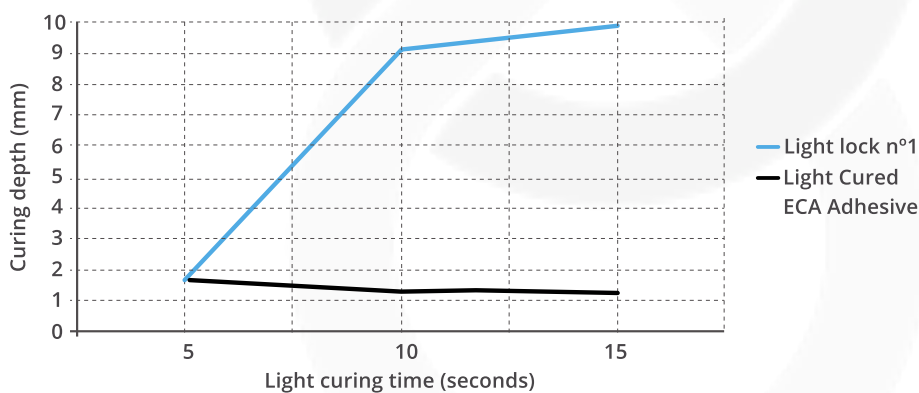
TECHNICAL DATA

BASE	Methoxyethyl Cyanoacrylate
VISCOSITY	LV (10-30 cP), MV (180-220 cP), HV (600-1200 cP)
COLOUR	Transparent
OPERATING THERMAL RANGE	-40 °C up to +80 °C
GAP FILLING CAPACITY	centimeters
OPEN TIME	Up to 30 minutes without light exposure

SUBSTRATE	FIXTURE TIME (seconds)		SHEAR STRENGTH (24 h, kg/cm ²)	
	Cured without UV	Cured with UV	Cured without UV	Cured with UV
ABS	LV: 15 MV: 15 HV: 60	LV: <10 MV: <10 HV: <10	LV: 127* MV: 125* HV: 124*	LV: 89* MV: 74* HV: 93*
Acrylic	LV: 30 MV: 90 HV: 300	LV: <10 MV: <10 HV: <10	LV: 66* MV: 90* HV: 98*	LV: 62* MV: 83* HV: 65*
Polycarbonate	LV: 15 MV: 40 HV: 240	LV: <10 MV: <10 HV: <10	LV: 119* MV: 97* HV: 92*	LV: 65* MV: 62* HV: 70*



CURING DEPTH WITH LIGHT



AVAILABLE FORMATS

5 g	20 g	50 g	500 g	20 kg
◆	◆		◆	◆

(*) Substrate failure