

UV RESINS AND GLUES



Which application for UV resins and UV glues?

Resins and glues curing with UV lamps are products that fulfill several functions:

- Protection of electronic components
- Barriers to prevent capillary rise of conformal coating
- Bonding of components
- Mechanical support (welds or legs of components)

The main advantage of UV curing products is the speed of curing: only a few seconds under a UV or LED lamp.

ABchimie offers products that polymerize under **UV Mercury lamp** but also under **UV LED lamp**, the most ecological and economical solution known to date.

Depending on your needs, ABchimie will direct you to the most suitable solution for your application.

Application example:

UV glue used for a customer **working in lighting** to glue lenses on LEDs: **ABchimie 9030 UV**

Strong point: Product available in UV Mercury and UV LED version. Instant drying



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	GLUES							
	15K UV	42K UV	80K UV	6028 UV	9005 UV	9030 UV	9111 UV	UV PEELEABLE
Type	Acrylic							
Color	Transparent	Translucent	Transparent	Translucent	Transparent	Transparent	Transparent	Translucent
Hardness (Shore)	D40	D25	A50/D8	D45	D20	D40	D45	A18
Viscosity (cP), 25°C	7,000	32,000	80,000	Thixotropic	50,000	30,000	10,000	Thixotropic
Temperature range	-50°C +150°C	-50°C +150°C	-50°C +150°C	-20°C +150°C	-50°C +130°C	-50°C +150°C	-50°C +150°C	-20°C +120°C
Curing	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED	UV Hg / UV LED
UVA dose mJ/cm²	3000	3000	3000	3000	1000 / 5000	3000	750	3000
Adhesion	PCBA / Glass / Alu	PCBA / Glass / Alu	PCBA / Glass / Alu	—	Glass / Alu / PMMA / ABS	PET / Glass / Alu / PMMA / PC	Glass / Alu / PMMA / PC	N.A.
Stripper	—	DVP	DVP	DVP	DVP	DVP	DVP	Peelable
Thickness maxi (mm)	5	5	5	4	2	2	2	5
UV resistance	Yes	No	Yes	No	Yes	Yes	Yes	N.A.
Standards	—	UL94V0	UL94V0	—	—	—	—	—
Packaging	Syringe 30ml, 330g, 1kg, 5kg, 20kg							

- ABchimie offers a range of UV resins curing under LED lamp @395nm. All our products have a version curing under mercury lamp (Hg).



Discover the video of the
ABchimie 42K UV resin