

TECHNICAL DATA SHEET

ABchimie6026UV LED

Nov 2022

Transparent thixotropic soft resin, curing by UV LED

PRODUCT DESCRIPTION

The resin ABchimie6026UV LED is a soft transparent resin. It adheres on many substrates, especially plastics. Its softness allows it to absorb shocks.

The curing is immediate with UV LED radiations (395nm). The resin thixotropy allows a high thickness deposit (to 4mm).

MAIN CHARACTERISTICS

- Soft resin with memory effect,
- Easy deposit with thixotropic resin,
- Excellente adherence on flexible substrates (plastics),
- No VOC,
- Immediate curing with UV LED exposition,
- Space ground reduced compared with solvent bases,
- High speed process, increase of the productivity.

CURING

ABchimie6026UV LED cures with UV LED technology.

UV LED Curing:

It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of the resin ABchimie6026UV LED:

LED lamp 395 nm, power: 8W/cm²

For several thickness of ABchimie6026UV LED:

- | | |
|-----------------|---|
| - 1mm : | Minimum UVA2 dose : 1600 mJ/cm² |
| - 2 mm : | Minimum UVA2 dose : 4300 mJ/cm² |
| - 3 mm : | Minimum UVA2 dose : 7200 mJ/cm² |

The UVA dose is a **minimale dose**. The intensity depends of lamp powerfull, distance of lampe... and may be increase by a longer exposition time. A higher UVA dose has not negative effect on product.

The resin ABchimie6026UV LED has a light tack on surface, du to its soft nature. A completed curing means cured product in the eart of product, not at its surface.

PROPERTIES

Liquid resin ABchimie6026UV LED

Nature	Acrylic
Aspect	Thixotropic liquid
Colour	Translucent
No volatil residu	100%
Flash point	> 100°C
Density	1,08

Cured Resin ABchimie6026UV LED

Aspect	Transparent
Hardness (shore)	A60

ABchimie6026UV is in compliance with REACH and RoHS regulations. A certificate may be sent on request (info@abchimie.com).

CONDITIONNING

Resin ABchimie6026UV LED

Syringe 30CC
Cartridge 330g
1 kg
5 kg

REFERENCES

ABchimie6026UV LED 30G
ABchimie6026UV LED C330
ABchimie6026UV LED 01KG
ABchimie6026UV LED 05KG

Cleaner SND

Can 5 liters

SND 05L

Stripper DVP

Can 1 liter

DVP 01L

Version is available with UV curing (mercury lamp) or LED curing, in syringe, cartridge, 1L can or 5L can.

STORAGE AND DATE OF USE:

The resin ABchimie6026UV LED must be store in a dark container, apart hot temperatures (less than 40°C).

The resin ABchimie6026UV LED cures with UV radiations so it must not be exposed to any light source.

Storage temperature : 5 to 30°C

A short stay at a lower temperature (especially during transport) will not damage product's properties. In all cases, refer to the safety data sheet to ensure good storage conditions.

Date of use : 12 months after manufacturing.

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. ABchimie cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.