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TECHNICAL DATA SHEET

ABchimie6025UV Nov. 2022

Transparent thixotropic soft resin, curing by UV

PRODUCT DESCRIPTION

The resin ABchimie6025UV 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 radiations. The resin thixotropy allows a high thickness deposit (to 4mm).

MAIN CHARACTERISTICS

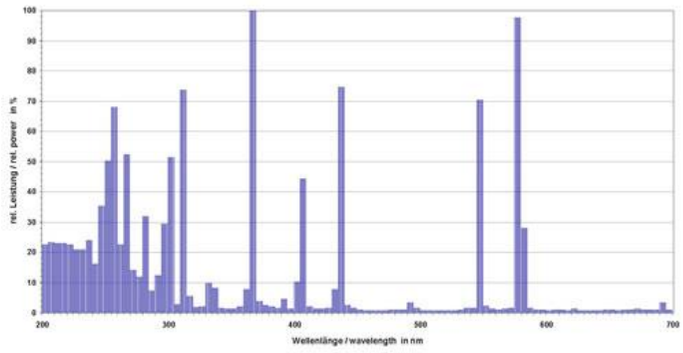
- Soft resin with memory effect,
- Easy deposit with thixotropic resin,
- Excellente adherence on flexible substrates (plastics),
- No VOC,
- Immediate curing with UV exposition,
- Space ground reduced compared with solvent bases,
- High speed process, increase of the productivity.

CURING

The resin ABchimie6025UV cures with UV rays. It is important to use the appropriate equipment, as well as the recommended settings for the best properties of the resin ABchimie6025UV:

The advised equipment is a **mercury lamp.**

Emission spectrum of mercury lamp (UV between 200 and 400nm)



Minimum UVA dose : **1500mJ/cm²** , for a 1mm-thickness

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 ABchimie6025UV 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.

ABchimie
1230 Route de La Porte – ZA La Rivoire – 38630 Corbelin – France
Tel : +33 (0)4 74 83 12 19 – Fax +33 (0)4 74 83 68 62

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PROPERTIES

Liquid resin ABchimie6025UV

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

Cured Resin ABchimie6025UV

Aspect	Transparent
Hardness (shore)	A60

ABchimie6025UV is in compliance with REACH and RoHS regulations. A certificate may be sent on request (info@abchimie.com).

CONDITIONNING — REFERENCES

Resin ABchimie6025UV

Syringe 30CC	ABchimie6025UV 30G
Cartridge 330g	ABchimie6025UV C330
1 kg	ABchimie6025UV 01KG
5 kg	ABchimie6025UV 05KG

Cleaner SND

Bidon 5 liters	SND 05L

Stripper DVP

Bidon 1 liter	DVP 01L

Product 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 ABchimie6025UV must be store in a dark container, apart hot temperatures (less than 40°C).
The resin ABchimie6025UV 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.