

TECHNICAL DATA SHEET

ABchimie6028UV

April 2024

Transparent thixotropic resin, curing by UV

PRODUCT DESCRIPTION

The resin ABchimie6028UV is a transparent resin. It adheres on many substrates, especially plastics.

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

MAIN CHARACTERISTICS

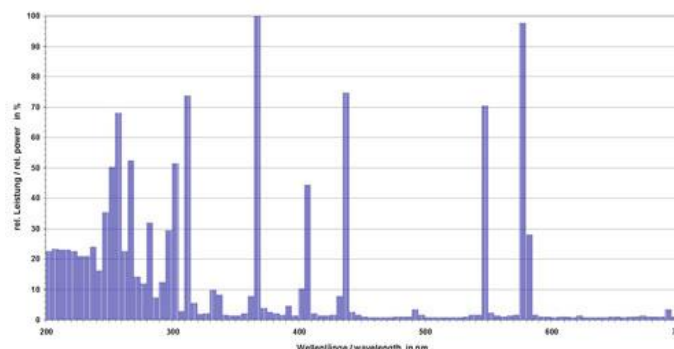
- Easy deposit with thixotropic resin,
- Fluorescent UV to control the layer of deposit,
- Excellente adhesion on flexible substrates (plastics),
- No VOC,
- Immediate curing with UV exposure,
- Floor space reduced compared with solvent based,
- High speed process, increase of the productivity.

CURING

The resin ABchimie6028UV cures with UV rays. It is important to use the appropriate equipment, as well as the recommended settings to obtain the best properties of the resin ABchimie6028UV:

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

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



Minimum UVA dose : **1000mJ/cm²** , for a 1mm-thickness

The UVA dose is a **minimum dose recommended**. The intensity depends on the lamp power and the lamp distance. UV dose may be increased by a longer exposure time. A higher UVA dose does not have negative effect on product final properties. However a lower UVA dose can have a detrimental effect on product final properties therefore it is very important to ensure minimum recommended UVA dose is met with your curing system.

The resin ABchimie6028UV has a light tack on surface, due to its soft nature. A completed curing means cured product in the depth of product, not at its surface.

PROPERTIES

Liquid resin ABchimie6028UV

Nature	Acrylic
Aspect	Thixotropic liquid
Colour	Translucent
No volatile residue	100%
Flash point	> 100°C
Density	1,06

Cured Resin ABchimie6028UV

Aspect	Transparent
Hardness (shore)	D45
Tg	-35.5°C
CTE (T < Tg)	63 ppm/°C
CTE (T > Tg)	118 ppm/°C
Young Modulus @ 20°C	84 MPa

ABchimie6028UV is in compliance with REACH and RoHS regulations. A certificate may be sent on request (info@abchimie.com).

CONDITIONNING

Resin ABchimie6028UV

Syringe 30CC
Cartridge 330g
1 kg
5 kg

REFERENCES

ABchimie6028UV 30G
ABchimie6028UV C330
ABchimie6028UV 01KG
ABchimie6028UV 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 ABchimie6028UV must be stored in a dark container, away from hot temperatures (less than 40°C).

The resin ABchimie6028UV 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.