



Technical datasheet

A-Pox 400UV with B-Cure 24

The A-Pox 400UV is formulated to be used together with B-Cure 24 as a UV-resistant topcoat. The system is waterclear and has superior resistance against yellowing. The system has good elongation to break and shows good adhesion to common materials like carbon fiber, glasfiber, wood and metal. Good resistance against crystalization, and it can be stored at ambient temperature at least 12 months.

As system is multipurpose has no sag resistance been added. Aerosil can be added with typical 1-5% if sag resistance is required.

Curing agent is a cycloaliphatic type slightly modified thus achieving better Tg with lower temperature cure. To be stored at +15 to 30 degr.C in sealed container.

Typical applications:

Developed specially for UV resistant surface coating of high tech composite parts or wood being used in harsh environments like yachts etc.

A-Pox 400UV is recommended to be used with curing agent B-Cure 24 mixed with 100:29 pbw which gives very low mixed viscosity below 150 mPas at 25 degr.C having very good wetting- and process properties.

Typical Properties epoxy:

Epoxy Equivalent Weight (g/eq)	140-150
Viscosity (mPas / 25°C)	300-500mPas
Density (g/cm ³ 25°C)	1.13-1.15
Color (Gardner)	<0,05



System properties cured at 50 degr.C for 8h.

Mix-ratio 100:29 pbw

Mixed viscosity 25 degr.C 100-200mPas.

Time to peak 200g cup: 75-85 min

Max.peak temp 240-260 degr.C (avoid large masses due to exotherm)

Cured system

Tg midpoint 48-52 degr.C

Pat-Handy adhesion to:

- raw aluminium: 3.8-5 mPa
- epoxy primed aluminium: 10-13 mPa
- teak: + 5 Mpa =>failure in teak

Tensile strength: 50-54 Mpa

Tensile modulus: 2800-3000 MPa

Elongation to break: 2,8-4%

Handing precautions:

Product may cause skin and eye irritation. In cases of skin contact wash immediately with soap and water. For eyes, flush with plenty of water for minimum 15 minutes and seek medical attention immediately.

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