

AQUENCE KL E3

Known as: DORUS KL E3

September 2019

Description:

AQUENCE KL E3 is a high quality, high performance woodworking adhesive. This product cross links to form strong durable bonds with excellent cold water resistance and heat resistance. AQUENCE KL E3 also has good sandability and excellent adhesion to most common wood species. Bonds prepared with this adhesive will withstand high stress areas such as chair manufacturing. This product provides very good gap filling characteristics due to its high viscosity. Suitable for edge gluing, veneering, joinery etc and conforms to BS EN 204 - Exposure group D3.

Typical Properties:

| | |
|--------------------|--------------------------|
| Appearance: | White |
| Odour: | Low. Dries odourless. |
| Viscosity: | Approx. 15000 cP at 23°C |
| Solids: | Approx. 52 % |
| pH: | Approx. 3.3 |

Directions for Use:

AQUENCE KL E3 adhesive may be applied by hand, brush or squeeze bottle or via powered roll glue spreader. Ensure all joints are an exact fit. Condition the timber, adhesive to a minimum of 18°C if possible.

- Ensure adhesive is stirred well prior to use.
- All surfaces to be bonded must be clean, dry and free from dust, oil grease etc.
- Timber moisture content should be between 10% and 14%.
- Ambient and timber temperatures should be above 15°C (Do not use below 10°C)
- Can be applied using powered roll glue spreaders, air assisted airless spray equipment, brush, hand roller or extrusion.
- Is suitable for use with both hot and cold presses.
- Adhesive should be applied as a thin, even coating to one surface only. Parts should be combined, while the adhesive is wet, using good even pressure (30 to 130psi is recommended) until the adhesive has set.
- Parts should be clamped for 3 – 4 hours and will reach full strength in 24 – 48 hours dependant on the wood moisture content, temperature and humidity.

Supplementary Products:

Previously called Kor-Lok E3

Limitations:

Due to the nature and consistency of MR MDF and HMR Particle board, it is recommended that the surface is sanded prior to bonding. AQUENCE KL E3 should not be used when timber and ambient temperatures are below 10°C. AQUENCE KL E3 is unsuitable for load bearing applications.

Clean Up:

With water whilst wet.

Storage and Handling:

Please read the Material Safety Data Sheet for this product BEFORE use. Viscosity of this adhesive will increase with time in storage. Product should be stored between 5°C and 30°C on a wooden pallet and kept from freezing. Rotate stock using oldest material first. Keep stock covered to prevent drying out and contamination. Do not mix with other adhesives. Supplied ready for use but can be diluted with water if required.

Please ensure that products classed as a dangerous good are stored in compliance with the applicable regulations.

Shelf Life:

Best used within 6 months from date of manufacture when stored under the above conditions in the original unopened containers.

Last Updated: 08-09-2015

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