

## Cequin® (Paraquin ENV) & Corquin (Paratherm ENV)

Bulletin #P-11

### CeQUIN® (ParaQUIN ENV)

- Paramount Tube manufactures ParaQUIN ENV tubes, CeQUIN® tubes that have been dipped in a two-part Polyester Resin System that generates zero HAP's (hazardous air pollutants). CeQUIN® is an inorganic-content paper; composed primarily of glass fibers and microfibers, inorganic fillers, and less than 10% organic binder. CeQUIN® is highly flexible for rectangular and square tube winding and is capable of long-term performance at operating temperatures up to 250° C. The high inorganic content of CeQUIN® provides the excellent thermal and dielectric stability that is required for today's high performance designs.
- The excellent thermal conductivity of CeQUIN® material helps dissipate heat build-up in electrical equipment resulting in reduced operating temperatures, longer life, and higher energy efficiency. CeQUIN® exhibits low moisture content and very little moisture absorption even under high humidity conditions, especially when compared to aramid paper, thus reducing the need for extended drying cycles prior to varnishing. CeQUIN® is easily impregnated and fully compatible with standard varnishes and resins, yielding tightly bonded coils and further improving thermal conductivity.
- The thermal stability of CeQUIN® is demonstrated in its retention of dielectric strength, even after thermal aging at temperatures in excess of 300° C. The inorganic content of CeQUIN® reduces the effect of long-term electrical stress and partial discharge on insulation qualities. CeQUIN® products have undergone extensive thermal aging evaluation per UL 1446, "Standard for Systems of Insulating Materials-General," and as a result are UL Recognized as suitable for use as a MAJOR ground insulation in systems rated through Class 220(R).

### Corquin (Paratherm ENV)

- Paramount Tube manufactures Paratherm ENV tubes, Corquin tubes that have been dipped in a two-part Polyester Resin System that generates zero HAP's (hazardous air pollutants). Corquin is a heat resistant non-asbestos aluminum silicate unfired ceramic-like paper replacement for commercial asbestos papers. It is formulated without the use of halogenated binders or additives. Thus it finds utility in applications where the release of halogens might be a problem. Corquin exhibits good stiffness and flexibility for square and rectangular tube winding.
- Corquin is produced from reprocessed CeQUIN®. Although the temperature properties are similar to those of CeQUIN®, Corquin by itself is not a major ground insulator.

\* CeQUIN is a registered trademark of the IPT Co.  
(Innovative Paper Technologies)

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Note: This material property information is the best currently available on the subject. The data should be viewed as a general guide to tube and material properties, not a performance guarantee. The customer should examine the suitability of the finished product for individual applications.