QuaCorr® 1300 Resin

Resin for Chemical Resistance and Carbon Yield

Formula:..... Polymer
CAS Registry Number 25212-86-6

Applications

QuaCorr 1300 resin is the homopolymer of furfuryl alcohol. The resin is water insoluble but can be diluted in many organic solvents. The resin is a 100% reactive system and is cured to a thermoset with QuaCorr 2001 or with a variety of active or heat active catalysts. QuaCorr 1300 resin is often blended with reactive and/or non-reactive diluents. These blends find use in applications requiring resistance to corrosive acids, bases and solvents and in the production of high quality carbon and graphite articles.

- Excellent resistance to most chemical media including solvents, acids, bases, and their various combinations
- Resistance to chemical attack at elevated temperatures
- Can be cured with active or latent catalysts

Application Areas

Corrosion resistant binders
Impregnating solutions
Sealants for pourous surfaces
Aggregate bonding
Binders for carbon/graphite
Grinding wheels
Oil/gas wells: in-place fiters, strata shutoff
Glassy carbon
Chemically resistant motars and cements
Refractory applications
Carbon fibers
Ceramic binders
Tap hole mixes
Co-reactants with phenolic/epoxy resins

Health and Safety

Appropriate personal protective equipment should be used to prevent dermal or respiratory tract exposure when handling QuaCorr® 1300 resin. QuaCorr® 1300 is very unstable when contacted with even low levels of strong acids. Uncontrollable exothermic polymerizations can occur. Dispose of in accordance with regulations. Always consult the MSDS when using QuaCorr® 1300.

Specifications	Value
Water, wt% maximum	0.75
Furfuryl alcohol	report

Property	Value
Specific Gravity (25ºC)	1.29
Viscosity, cps (25ºC)	12000-16000
Weight, lbs/gal	10.7
Fufuryl Alcohol Content, typical	7
Color	Dark reddish brown
Odor	Furfural odor
Flash Point, ºC	75.6
Storage Stability (25ºC)	>1 year
Solids Yield, % unfilled	85-90*
Carbon Yield, % unfilled	45-50*

*dependent on catalyst

Availability and Shipping

QuaCorr® 1300 resin is available in 5 gallon cans and 55 gallon steel drums. DOT: Not regulated as a hazardous material by DOT 49 CFR.

Contact Information
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