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## Formulating High Performance Waterborne Epoxy Coatings

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formulators are often unsuccessful in formulating high-performance waterborne epoxy coatings. They unknowingly select pigments, additives, etc., which may give great performance in other coatings, but which give sub-optimal performance in these waterborne epoxy coatings. This reinforces the myth that high-performance waterborne epoxy coatings cannot be formulated. We have structured this paper

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## Formulating High-Performance Waterborne Epoxy Coatings

HIGH-PERFORMANCE WATERBORNE EPOXY FORMULATION FOR SELF-LEVELING CEMENTITIOUS COATING FOR CONCRETE. 19. Table 1. Epoxy-modified cement formulation based on Anquamine® 287 curing agent and epoxy resin. 3K-Formulation Components Parts Part A Liquid epoxy resin/emulsion 5 - 15 Defoamer 0.05 - 0.10. Part B Anquamine® 287 17.0 Water 0 - 10.

## HIGH-PERFORMANCE WATERBORNE EPOXY FORMULATION FOR SELF ...

Formulating High-Performance Waterborne Epoxy Coatings Thermoset Resin Formulators Association 2006 Annual Meeting September 11-12, Montréal, Québec, Canada 3 generation (Type 1) waterborne epoxy resins are liquid epoxy resins dispersed in water using appropriate surfactants. Curing agents are generally water soluble amines.

## Formulating High-Performance Waterborne Epoxy Coatings

Formulating High-Performance Waterborne Epoxy Coatings Epoxy-modified cement formulation based on Anquamine® 287 curing agent and epoxy resin. 3K-Formulation Components Parts Part A Liquid epoxy resin/emulsion 5 - 15 Defoamer 0.05 - 0.10 Part B Anquamine® 287 17.0 Water 0 - 10 Part C Portland cement 15 - 35 Quartz sand (various particle

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## Formulating High Performance Waterborne Epoxy Coatings

SOLVENT-FREE WATERBORNE EPOXY APPLICATIONS: NX-8401. NX-8401 is a new, completely free of solvent, low viscosity and easily reducible with water curing agent for the formulation of zero and very low V.O.C. coatings. The excellent compatibility of NX-8401 with various epoxy dispersions and its ability to easily disperse pigments and fillers give coatings scientists wide latitude to formulate high performance waterborne epoxy coatings.

## Waterborne Epoxy Curing Agent Product Line | Cardolite

Zeraus' high performance water-based epoxy primers/sealers have many advantages over solvent-based primers and 100% solids epoxies. Our waterborne coating system was selected by Air Canada for 86,000 sq.ft over 100% epoxy and was successfully installed in 2013. You can refer to the specification here.

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## Advanced Formulation of Waterborne Coating for Indoor ...

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## Formulating High Performance Waterborne Epoxy Coatings

Fundamentals of Epoxy Formulation Brahmadeo Dewprashad Halliburton Services, P. 0. Drawer 1431, Duncan, OK 73536 E. J. Eisenbraun Oklahoma State University, Stillwater, OK 74078 Epoxy resins, first offered commercially in 1946, are used later by the ratio of reactants; as such, a range of commer-

## Fundamentals of Epoxy Formulation

Starting Formulations. Epoxy resins are generally combined with curing agents, modifiers and other additives into formulated coatings, adhesives, compounds or mixtures which deliver the needed performance for a specific end use or application. The formulations and systems information provided in this section can be utilized as a starting point, or baseline, for further work or development of new systems.

## Starting Formulations - Hexion

Check out the schedule for The Waterborne Symposium Sheraton New Orleans, Canal Street,

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New Orleans, LA, USA - See the full schedule of events happening Feb 16 - 21, 2020 and explore the directory of Speakers, Short Course Instructors & Attendees.

## The Waterborne Symposium: Full Schedule

A novel, waterborne epoxy system comprised of non-ionic stabilized dispersions of a solid epoxy resin and an amine curing agent has been designed for ambient-cure coatings. The performance characteristics of coatings formulated from the new system have been compared to a standard system. The new system produced formulated coatings with robust performance over a wide range of amine-to-epoxy ...

## High performance waterborne coatings based on dispersions ...

Ancarez AR555 resin is a waterborne solid epoxy resin dispersion delivered at 55% solids in water. The product is designed for two-component, ambient-cure epoxy systems.

## ANCAREZ® AR555 Waterborne Epoxy Resin

Check out what Austin Maples will be attending at The Waterborne Symposium See what Austin Maples will be attending and learn more about the event taking place Feb 16 - 21, 2020 in Sheraton New Orleans, Canal Street, New Orleans, LA, USA.

## Austin Maples - The Waterborne Symposium

It was found that a novel, internally emulsified and flexibilized waterborne epoxy resin dispersion, Epoxy 386, could be used to formulate low-VOC (~100 g/L and less) 2K primers,

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which are free of corrosion-inhibitive pigments, but with anti-corrosion performance comparable to a commercially available solventborne 2K epoxy system, while out-performing another commercially available waterborne 2K epoxy system by a significant margin.

## New Waterborne Epoxy Resin Dispersion - PCI Mag

Beckopox EH 623. Europe Water Reducible 2K Epoxy / Polyamine Primer using HALOX® 520 ; Beckopox EP 384w/53WAMP. US Water Reducible 2K Epoxy / Polyamine Primer using LOPON® E 71 ; EPI-REZ 6250 . US Europe High Performance 2K Water Dispersible Epoxy Primer using HALOX® 430 and HALOX® 520 ; EPOTUF 37-148. US Europe Water-based Epoxy Dispersion using HALOX® SZP-391

## Epoxy | Formulations by Resins | Corrosion Inhibitors ...

Our waterborne epoxy curing agents are ideally suited to the formulation of high performance surfaces, helping to develop zero VOC coatings without hazardous solvents, meeting stringent environmental criteria. Our polyamine combines with epoxy resins to produce outstanding 2K waterborne epoxy systems. They can emulsify

## Amirez - Oxazolidine, Waterborne Epoxy, Waterborne ...

An epoxy resin system generally consists of a curing agent and an epoxy resin. Both the curing agent and the epoxy resin can be made waterborne. Solid epoxy resin (molecular weight >1000) dispersions are available and consist of an epoxy resin dispersed in water sometimes with the aid of co-solvents and surfactants.

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