

Designing Waterborne Epoxies for VOC Compliant Coatings

Waterborne epoxy systems have shown the ability to perform as well as, or even better than their solvent-borne counterparts in a variety of coating applications. Waterborne epoxy systems are now being formulated into coatings for shipping containers, transportation or agricultural & construction equipment, protective coatings, as well as floor coatings.

The main driver for waterborne coatings in those end-uses is the need to reduce VOC's in the paints (VOC = Volatile Organic Compound) while maintaining final paint performance at high level. This has led to development of new epoxy resins and amine curing agents.

This presentation will demonstrate how these specially designed epoxy building blocks can be effectively combined to tailor waterborne coatings to specific application requirements and meet the highest standards for corrosion and mechanical protection, while maintaining ease of formulation.

1/ Subject of the presentation: [New Low Labelled Curing Agents for Epoxy Flooring Applications](#)

2/ Subject classification: ?

Name & contact of Speaker

3/Salutation: [Mr.](#)

4/Title: ?

5/First Name : [Deudon \(Patrick\)](#)

6/Tel: [+49 203 42 96 502](#)

7/ Email: patrick.deudon@westlake.com

8/ Function: [Technical Service Manager Civil Engineering & Adhesives Europe](#)

9/ Time slots that speaker will NOT be available [Tuesday Morning 28/3, Wednesday 29/3 from 9:30-11:00, Thursday Afternoon 30/3](#)

10/ Abstract:

[Accelerators are broadly used for the formulation of amine curing agents for epoxy flooring applications. However, within the last years the labelling of many of those accelerators became more severe.](#)

[Is it possible to have low labelled curing agents and maintain easy handling and excellent performance?](#)