Waterborne adhesives are a logical choice for many end use applications where versatile and environmentally friendly solutions are desired. These low VOC (volatile organic compounds) adhesives are easily formulated to optimize performance for a wide variety of applications where water clean-up is important. Fundamental knowledge of formulating and use of this adhesive class will help you to select, design, apply and trouble shoot your adhesive package and ultimately add to your bottom line. The two-day course reviews the base polymers used in waterborne adhesives today and how to formulate with additives for specific applications. Attendees will learn common methods of application as well as mechanical and rheological behavior of the adhesive before and after bonding.

**PROGRAM TOPICS (tentative):**
- Market Overview
- Assembly, Packaging and Construction Applications
- Additives for Improving Properties; Tackifiers, Plasticizers, Surfactant, Defoamers, Rheology Modifiers, Antioxidants/Stabilizers/Biocides
- Base Polymers Used in Waterborne Applications; Acrylic, VA/VAE Emulsions, Polyurethane Dispersions and Hybrids
- Application Equipment
- Mechanical and Rheological Fundamentals and Characterization

Caulks and sealants are primarily used in building construction and transportation to bond surfaces together, fill gaps and serve as a physical barrier. Due to their use in bonding substrates with differing coefficients of thermal expansion, sealants are formulated to have higher elongation and paste like viscosities to allow for gap filling applications. Sealants offer important performance properties, providing many advantages to modern design. Putties and caulks serve another function—to take up space and fill voids. Taught by industry experts, ASC’s two-day, technical short course will help you gain a better understanding of the functions and applications of caulks and sealants.

**PROGRAM TOPICS (tentative):**
- Market & Applications Overview
- Technical Overview
- Sealant Types (Acrylic and Vinyl AcetateLatex Sealants, Silylated Sealants, Silicone Sealants, Urethane Sealants)
- Processing/Mixing Equipment
- Formulating with Additives (Adhesion Promoters, Fillers, Surfactants, Plasticizers, Rheology Modifiers)
- Packaging and Delivery Systems
- Specification and Non-Specification Testing

**REGISTRATION FEES**

**Short Course ONLY:** ASC Member/End-User: $725 • Nonmember: $1,100

**Short Course with Convention:**
- Early Bird: ASC Member/End-User: $1,075 • Nonmember: $1,800
- Regular: ASC Member/End-User: $1,175 • Nonmember: $1,900

Learn more or Register at www.ascouncil.org

under the “Events” tab on the home page.

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