

CYLINK® C4 Wet Adhesion Monomer

A new industry standard for wet adhesion promoters

CYLINK C4 wet adhesion monomer was specifically designed to address the needs of interior and exterior architectural latex coatings markets. When incorporated into the polymer backbone, CYLINK C4 wet adhesion monomer provides the resulting latex coating with cost effective adhesion to chalky or aged alkyd substrates under wet or humid conditions. While other products are available which address this challenge, CYLINK C4 wet adhesion monomer combines high wet adhesion performance and efficiency with:

- Copolymerization with a wide range of monomers
- Stability against homopolymerization
- Complete water solubility

These advantages make CYLINK C4 wet adhesion monomer unparalleled in its ease of use.

Performance/Reactivity

Cytec's technical service laboratories in Stamford, Connecticut, and Botlek, the Netherlands, have developed polymerization recipes for CYLINK C4 wet adhesion monomer in acrylic, vinyl acrylic, styreneacrylic, and vinyl/VeoVa* monomer latexes. Each data sheet shows the physical properties of latex using CYLINK C4 wet adhesion monomer, as well as the physical properties and wet scrub resistance of the resulting paint.

The results show that, in all cases, paint formulated from latex using CYLINK C4 wet adhesion monomer demonstrates outstanding performance compared to control samples, without degrading other important paint properties. In

100% acrylic latex which contains CYLINK C4 wet adhesion monomer at levels as low as 0.25%, superior wet adhesion performance is still achieved after 24 hours—a new industry standard! Note, too, that due to its unique chemical structure, CYLINK C4 wet adhesion monomer can be readily polymerized into the backbones of vinyl acetate and vinyl/VeoVa monomer latexes, eliminating the need to blend costly acrylic latex or concentrates that have been specially treated to provide wet adhesion.

Stability/Handling

CYLINK C4 wet adhesion monomer is readily soluble in water, an important advantage for latex systems. CYLINK C4 wet adhesion monomer does not require stabilization with an inhibitor, enabling greater flexibility in the design of latex recipes.

The favorable physical and handling properties of CYLINK C4 wet adhesion monomer provide the latex manufacturer with a product that is both user-friendly and consistent in delivering high performance. In addition, the versatility of this product enables polymer producers to more readily evaluate the use of wet adhesion monomers in applications beyond architectural coatings, such as adhesives and sealants.

For more detailed technical information on the performance and applications of CYLINK C4 wet adhesion monomer, please contact your local Cytec sales representative or sales office today.

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