

CY-515 PAINT AND SURFACE COATINGS

Paint & Coatings: Basics of paint and coating, composition and their function.

Coating Types: Oil-based coatings, cellulose-based coatings, vinyls, phenolics, acrylics, polyesters, polyurethanes, bituminous coatings, silicone-modified coatings, polyureas, powder coatings, nano-coatings, self-healing coatings, recent new development in paints and coatings.

Coating Formulation: Principles of coating formulation, important factors of coating formulation, testing of coatings and its parameters, preparation of technical data sheets.

Adhesion of Coating: Principle of adhesion, understanding of adhesion and cohesion, description of substrates, testing of Adhesion.

Paint Rheology: Introduction, fundamental of measuring paint rheology, paint rheology during manufacture and storage.