

Section IV

Specifications

- **Part A – Make up of specifications**
- **Part B – Origin of specifications**
- **Part C – PSX-700 specifications**

Part A

Make up of Specifications

Specification

- ✓ A document stating the scope of work, the procedures to follow, the material requirements, and the controls necessary to complete a multifaceted project or a single objective.

A paint specification is usually only a part of a much larger project specification.

Specification

The Objective

- ✓ To record the language that serves as the controlling document for a project.
- ✓ To define the scope of work and to establish the order of events that will facilitate the achievement of the desired outcome.
- ✓ To establish what to do, in what order to do it, and where it shall be done, without specifying how to do it.

Specification

Protects All Parties Involved

- ✓ Owner
- ✓ Architect or Engineer
- ✓ General Contractor
- ✓ Subcontractors
- ✓ Material Suppliers
- ✓ Inspectors

Paint Specification

Typical Elements, in general

- ✓ Summary of purpose
- ✓ Establish standards and languages
- ✓ Describe protocols
- ✓ Define procedures
- ✓ List materials
- ✓ Require execution

Paint Specification

Typical Elements

- ✓ **Summary or Scope of Work**
 - What, when, and where
 - New building or repair work
 - Working conditions
 - In-service
 - Out of service
 - Describes other special circumstances or conditions

Paint Specification

Typical Elements

- ✓ **General Requirements**
 - Contractor qualification requirements
 - Availability and Access
 - Warranty and Guarantee
 - Inspection and Testing
 - Contractual issues
 - Miscellaneous

Paint Specification

Typical Elements

- ✓ **Reference Standards and Definitions**
 - SSPC / NACE / ISO Surface Cleanliness Standards
 - ASTM Testing Protocol
 - Lexicon (words and phrases)

Paint Specification

Typical Elements

✓ **Environmental Controls**

- Placement of tarpaulins, masking, and protecting
- Handling of potential biohazards
- Ambient weather conditions
- VOCs and other environmental restrictions

Paint Specification

Typical Elements

- ✓ **Health, Safety, and Handling of Materials**
 - Solvents
 - Metals
 - Exposures
 - Material flash point
 - Packaging and labeling
 - Storage requirements
 - Cleanup

Paint Specification

Typical Elements

✓ **Materials**

- Generic types
- Approved Manufacturers
- Approved products by Manufacturers
- Performance requirements

Paint Specification

Typical Elements

- ✓ **Surfaces Scheduled for Coatings Work**
 - What gets painted
 - Procedures for access
 - Areas not included in coatings work

Paint Specification

Typical Elements

- ✓ **Surface Preparation**
 - State controlling standards
 - Acceptable methods of preparation
 - Pre-cleaning requirements
 - Handling welds and surface defects
 - Surface profile
 - Proceeding with pre-primed surfaces

Paint Specification

Typical Elements

✓ **Paint Application**

- Environmental and surface minimums and maximums
- Approved coating systems
- Method of application
- Schedule of coatings

Paint Specification

Typical Elements

- ✓ **Quality Assurance and Inspection**
 - Who will inspect
 - When to inspect
 - Reasons for rejection
 - Assignment of responsibility

Paint Specification

Typical Elements

✓ Repair

- Definition of repair
- Schedule of repair

Paint Specification

Typical Attachments

- ✓ **Coating Systems Data Sheets**
 - Catalog of potential systems
 - Describes coating systems
 - Specifies systems by intended service
 - Details surface minimum preparation requirements per system
 - List approved products

Paint Specification

Typical Attachments

✓ Daily Reports

- Diary of what was done
- Materials used
- Environmental reporting
- Time surface prep and coatings work began and ended
- Document injuries, environmental damages, or other potential problems