

**Class location** \_\_\_\_\_ **Date** \_\_\_\_\_

## Pre C-2 Self-Assessment

In order to get the most value from the C-2 course, you must have a basic understanding of the topics covered in C-1, Fundamentals of Protective Coatings. If you do not have a working knowledge of most of these topics, you should consider taking C-1 prior to C-2. This information is to serve as a self-assessment to evaluate your preparedness for taking C-2 and the PCS exam.

Put an X in the column that best describes your familiarization with the following topics.

	Novice			Expert		
<b>I. CORROSION AND CORROSION CONTROL</b>						
theory of corrosion						
cathodic protection						
types of corrosion						
<b>II. COATING TYPES AND THEIR MECHANISMS OF PROTECTION</b>						
mechanisms of corrosion control by coatings						
mechanisms of film formation						
comparisons of generic coating types						
selection of coating systems						
<b>III. SURFACE PREPARATION FOR PAINTING</b>						
standards for cleaned surfaces						
wet methods of surface preparation						
abrasives						
blast cleaning equipment (wheel, nozzle, hoses, etc.)						
measuring profile						
visual standards						
surface prep required for different coatings						
<b>IV. APPLICATION OF COATINGS</b>						
application methods (HVLP, airless, plural component, etc.)						
temperature and humidity control						
achieving desired thickness						
coating defects						
<b>V. INSPECTION AND QUALITY CONTROL</b>						
hold points and responsibility						
inspecting surface prep						
inspecting paint application						
monitoring ambient conditions						
<b>VI. COATINGS FOR INDUSTRIAL STEEL STRUCTURES</b>						
selecting surface prep						
selecting coating systems by environmental zone						
coatings for immersion						
marine coatings						

<b>VII. COATING OF CONCRETE SURFACES</b>					
components of concrete					
surface preparation					
identifying and repairing defects prior to painting					
selection of coatings					
application of coatings					
inspection of painted surface					
<b>VIII. COATING DEGRADATION, DEFECTS, AND FAILURES</b>					
defects from inappropriate coating					
deterioration by corrosion					
defects from surface preparation					
defects from coating application					
defects from improper curing					
analyzing cause of failure					
<b>IX. SAFETY IN PAINTING OPERATIONS</b>					
hazards from toxic materials					
hazards and requirements in surface prep					
hazards and requirements for application					
requirements for confined spaces					
personal protective equipment (PPE)					

Consider taking C-1 before C-2 if:

- you scored mostly novice in more than two of the nine basic areas.
- there are more Xs in the two novice columns than in the two expert columns.

List up to three topics not mentioned above that you would like to see covered in depth in an SSPC course.

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