
Commercial Spray Painter Program

Location: Stratford Northwestern Secondary School & off-site commercial painting facility

Time: 6:30 pm. – 9:30 pm

Length: 10 Weeks – Two [2] nights per week
60 hrs (Practical=40; Theory=20)

Cost: \$550.00

This hands on program focuses on processes involved in commercial spray painting. It combines both classroom and practical lab exposure. Whether you are an experienced painter wanting exposure to the latest techniques and equipment or an individual looking to get into the industry, this program is an excellent choice.

Training focuses on safety, protective equipment, spray equipment utilization, spray painting techniques, substrate cleaning processes, basic paint properties, paint characteristics and testing and application specifications. The training will ensure that the student has a clear understanding of the safe process of applying paint on several different substrates efficiently that will meet the end user requirements and specifications. The student will be able to provide their future or current employer a more cost efficient utilization of the equipment and technique that will ensure an improved operating cost of the paint process.

Course Details

This hands-on program is intended to introduce students to Commercial/industrial Spray Painting focusing on the processes of spray painting. The student will have a general

introduction to various coating equipment including fluid handling equipment, proportioning equipment and spraying equipment. The classroom instruction will include an overview of pre-treatment and preparation processes as well as a variety of water borne and solvent borne coating processes that a spray painter may be exposed to in the industry. The lab component of this course will concentrate on technique. Upon completion of this course a successful candidate will be confident in providing their employer with the application and trouble shooting skills and cost savings initiatives required in today's industry.

TRAINING MODULES

This 10-week course will expose students to most aspects of the commercial spray painting industry.

1. SAFETY

- a. Grounding and Bonding when handling any paint or solvent products.
- b. Utilization of properly fitted Personal Protective Equipment (P.P.E.).
- c. Equipment utilization including air supplied equipment, pressure pumps, pressure vessels, etc.
- d. Paint Kitchen, Paint mix room and Paint Booth safety practices.
- e. Substrate cleaning processes safety, (Chemical, abrasive cleaning & hand tool)
- f. Paint substrate parts fixtures/practices.

2. SPRAY PAINTING APPLICATION TECHNIQUES

- a. Introduction to equipment (Conventional and HVLP Airspray, Airless, Air assisted Airless, Electrostatic), hand held cup guns

and pressure fed systems, Liquid (1K, 2K and multiple component systems) and Powder.

- b. Technique to reduce paint usage, paint defect and painter fatigue including some minor exercise recommendations (provided by a physiotherapist) to reduce and possibly prevent conditions like Carpal Tunnel, etc.

3. PAINT BASICS

- a. Paint composition and why specific paints are used in specific applications such as, epoxy, acrylic enamels, baking enamels, isocyanate polyurethanes, etc.
- b. Paint hiding, sag resistance, gloss characteristics and what they mean in a technical data sheet provided with the paint product.

4. PAINT DEFECTS AND CAUSES

- a. Identify sags, runs, fisheyes, dirt contamination, etc. and what are the possible causes.
- b. Troubleshooting and best repair methods.

5. PAINT TESTING

- a. Wet film gauges, dry film gauges, mylar, pencil hardness testing, MEK rubs, etc.
- b. ASTM requirements and what they mean.

6. PAINT SPECIFICATIONS

- a. Technical Data Sheets, MSDS documents.
- b. Customer requirements or criteria.

A **Certificate** and **Letter of Completion** will be provided to trainees successfully completing the course.
