



PROJECT
Car Painting

Team Canada

1 INTRODUCTION

The purpose of this challenge is to perform best industry practices in refinishing and surface preparation procedures on various vehicle substrates. Competitors will be evaluated on their comprehension of car painting terms, procedures and their ability to perform tasks in a safe, efficient and professional manner.

2 DESCRIPTION OF PROJECT AND TASKS

2.1 Preparation & Priming

- A panel has minor damage you must repair and prepare for refinish coatings.
- You are required to show judges your progress before surfacer application.

***1 hour** maximum for task*

2.2 Polishing / Chip Protection Film / Decal Application

- The supplied panel must have all surface defects removed.
- You will apply supplied chip protection film to the polished panel.
- You will apply a supplied decal, matching the dimensions of the display panel.

***2 hours** maximum for task*

2.3 Colour Evaluation and Tinting

- You are required to complete both tasks in the allocated time. You must manage your time accordingly and give judges your best matched test card.
- Part 1:
 - You will be supplied a panel and paint code.
 - You must evaluate the colour, select the best match and spray a test panel.
 - Tint the colour to match the supplied panel.
 - You will have a maximum of 5 spray out cards to achieve the best match.
 - Save all waste paint material in designated container.
- Part 2:
 - You will be supplied a panel and toners.
 - You are required to use the provided toners, without a formula to match the panel.
 - You will have a maximum of 5 spray out cards to achieve the best match.
 - You must mix enough paint for the blend repair after match is created.
 - Save all waste paint material in designated container.

***2 hours** maximum for both tasks*

2.4 Paint & Masking

- You are required to complete both tasks in the allocated time. You must manage your time accordingly.
- Part 1:
 - The panel from “preparation project” must be painted according to the graphic shown on a display panel. You will be supplied pre-mixed paint for the graphic.
 - Finish preparing the panel for appropriate refinish coatings if needed.
 - The paint for the ground coat colour blend is mixed during colour tinting project, mix or tint more material if needed.
 - Mix the mid coat colour from the formula supplied.
 - All extra paint material must be given to a judge to weigh.
 - A completed let down panel must be given to judges when project is complete.
- Part 2:
 - You will mask one complete side of a vehicle for topcoat refinish. ALL masking material used during the masking process must be deposited into a designated competitor bin.
 - No parts are to be removed from the vehicle
 - No razor blades are allowed to be used on the vehicle. Any competitor that uses a razor blade to cut masking material on the vehicle will result in 0 points awarded for this task.
 - Judges must score before masking material is removed from the vehicle.

***5 hours** maximum for both tasks*

