

Corrosion Protection

POST-TEST

IMPORTANT!! PLEASE READ ALL DIRECTIONS BEFORE STARTING THIS POST-TEST!!

All answers to this Post-Test must be marked on the answer sheet supplied with this question book.

STUDENT AND CLASS INFORMATION

Be sure to include all information on the answer sheet. Clearly fill in:

- your I-CAR ID number.
- your phone number.
- your name, leaving a space between your last and first name, and between your first name and middle initial.
- the test form letter (A or B) under "Test Form." The test form letter appears in the upper right corner of this page.
- **one of the following fields.** These fields will be used to help identify you and further protect your privacy should you need to contact customer care. These fields are optional but it is highly recommended to complete them:
 - Mother's Birthdate
 - Last 4 digits of Driver's license
 - Father's Middle Name

In addition, please write in the following in the space provided:

- Instructor name.
- Program test version number. This number is located on the upper left corner of this page.
- Class date.

Any missing information described above will delay the issuing of credit for this program.

POST TEST QUESTIONS

Answer all the questions in this book using the appropriate area on the answer sheet. Use a pencil to darken the circle that represents the best answer to the question. There is only one correct answer for each question.

The answer sheet is electronically scanned, so questions will not be scored as correct if they are:

- answered with more than one answer.
- not clearly marked on the answer sheet.
- mistakenly marked and not completely erased.
- completed in ink.

After completing the Post-Test, hand in your answer sheet and this question book to your Instructor or class administrator for processing by I-CAR.

Good luck and thank you for your interest in I-CAR training.

Name: _____

This Booklet Must Be Turned In With Your Answer Sheet

POST-TEST RESULTS: You will be notified of your post-test results in **APPROXIMATELY 45 DAYS** from the date you completed this training program.

Due to the confidentiality of your training history, I-CAR will not provide this information over the telephone unless the caller can be positively identified as the student. A transcript of your I-CAR training, and training or certifications that you have submitted that qualify under the I-CAR Industry Training and Certification Recognition Program, will be sent to you **APPROXIMATELY 45 DAYS** from the date you completed this training program. This transcript will list your post-test results as either "Passed," or in the event that your post-test score does not meet the minimum percentage requirement, it will be listed as "Attended."

1. Technician A says that the basecoat may be applied directly over a self-etching primer.

Technician B says that the acid in self-etching primer neutralizes as it dries.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6380)

2. Technician A says that solvent-based seam sealers should be restricted from use in the passenger compartment.

Technician B says that direct-to-metal seam sealers may be applied over minor corrosion.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6381)

3. All of these areas may have thick chip-resistant coatings EXCEPT the:

- A. dogleg area.
- B. rocker panel.
- C. bottom of the doors.
- D. bottom of the deck lid.

(6382)

4. Which of these primers may contain zinc?

- A. Epoxy
- B. Self-etching
- C. Weld-through
- D. Wash

(6383)

5. Anti-corrosion compound is typically applied:

- A. with a wand.
- B. in the spraybooth.
- C. before part assembly.
- D. in the wheelhouse.

(6384)

6. Which of these should be done to determine if a replacement part has E-coat?

- A. Sand and check for a dusty residue.
- B. Wipe with solvent and check for paint transfer.
- C. Wipe with denatured alcohol and check for paint transfer.
- D. Heat with a heat gun and check for softening of the finish.

(6385)

7. All of these are true about anti-corrosion compounds EXCEPT that they:

- A. are applied inside aluminum cavities.
- B. should be cleared from drain holes.
- C. are usually topcoated.
- D. have self-healing capabilities.

(6386)

8. Which of these is the most effective corrosion-inhibiting coating?

- A. E-coat
- B. Zinc phosphate
- C. Self-etching primer
- D. Wash primer

(6387)

(cont'd)

9. Technician A says that acid rain is a corrosion promoter.

Technician B says that heat during GMA (MIG) welding is a corrosion promoter.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6388)

10. Technician A says that it may be necessary to treat the backside for corrosion at anchor clamp sites.

Technician B says that it may be necessary to treat the backside for corrosion where paintless dent repairs were done.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6389)

11. Technician A says that self-etching primer is required before applying epoxy primer.

Technician B says both mechanical and chemical cleaning is required before applying epoxy primer.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6390)

12. Which of these is a characteristic of weld-through primer?

- A. Heat resistant
- B. Etches into the metal
- C. Must be wet for best performance
- D. May be a two-part product

(6391)

13. Which of these usually requires the zinc coating to be removed on the entire flange?

- A. Spot welds
- B. GMA (MIG) plug welds
- C. MIG brazing
- D. Panel bonding

(6392)

14. Technician A says that one purpose for heavy-bodied seam sealers is for vertical joints.

Technician B says that one purpose of a seam sealer is to prevent fumes from entering the passenger compartment.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6393)

15. Technician A says that some undercoating material is water-based.

Technician B says that undercoating is applied to a muffler heat shield.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6394)

(cont'd)

16. All of these are a common characteristic of seam sealers EXCEPT that they:

- A. can be painted.
- B. resist shrinkage.
- C. are self-healing.
- D. are flexible.

(6395)

17. Technician A says that chip-resistant coating may be applied before the topcoat during repairs.

Technician B says that chip-resistant coating may be applied over the topcoat during repairs.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6396)

18. Technician A says that when preparing aluminum parts, body hammers should be kept separate from those used for steel.

Technician B says that when preparing aluminum parts, oxidation forms slowly.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6397)

19. Technician A says that the presence of E-coat on replacement parts should be tested by lightly sanding.

Technician B says that the presence of E-coat on replacement parts should be tested with a mild soap and water solution.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6398)

20. Technician A says that some vehicle makers do NOT apply undercoating to the floor pan.

Technician B says that some vehicle makers do NOT apply anti-corrosion compound to interior cavities.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6399)

21. Technician A says that vehicle makers may indicate where chip-resistant coating should be applied on a specific vehicle.

Technician B says that product makers may indicate where chip-resistant coating should be applied on a specific vehicle.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6400)

(cont'd)

22. Technician A says that it is generally recommended to apply undercoating to the bottom of the fuel tank.

Technician B says that it is generally recommended to apply undercoating to the exhaust system.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6401)

23. Technician A says that a way to prevent galvanic corrosion is to duplicate the original installation method.

Technician B says that a way to prevent galvanic corrosion is to reuse coated bolts.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6402)

24. Technician A says that in preparation for welding, E-coat should be removed from the entire butt joint with backing insert.

Technician B says that in preparation for welding, E-coat should be removed from the entire flange.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6403)

25. Technician A says that OEM service parts are E-coated similar to assembly line parts.

Technician B says that OEM service parts may be E-coated using an outside supplier.

Who is right?

- A. A only
- B. B only
- C. Both A and B
- D. Neither A nor B

(6404)