



## EFTEC Aftermarket Test Questions 200410

This test is made up of random questions and is not comprehensive.

### True or False

1. \_\_\_\_\_ Scuff surface of pinchweld if bonding to paint.
2. \_\_\_\_\_ Dinitrol urethane products meet or exceed OEM specifications.
3. \_\_\_\_\_ Avoid priming urethane in pinchweld.
4. \_\_\_\_\_ D-501HVHM has faster drive time than D-500.
5. \_\_\_\_\_ Low-conductive urethane is needed for cars that have integrated wiring such as antennae in the glass that make contact with the urethane.
6. \_\_\_\_\_ Brush out all dirt and debris before trimming the old urethane in the pinchweld.
7. \_\_\_\_\_ D-410 is a good urethane for moldings to help ensure proper position.
8. \_\_\_\_\_ Dinitrol primers are universal with Dinitrol AGR urethane products .
9. \_\_\_\_\_ If a pinchweld is significantly corroded it should be restored to factory condition before replacing the glass.
10. \_\_\_\_\_ When using Dinitrol urethane products, never prime the old urethane with anything.
11. \_\_\_\_\_ Dinitrol urethane will work well on or next to butyl or silicon.
12. \_\_\_\_\_ Scratched paint and bare metal can be covered with D-530 to help eliminate future rust.
13. \_\_\_\_\_ Butyl tape and silicon are safe and used today because in most cases they pass all applicable FMVSS and do not interfere with urethane.
14. \_\_\_\_\_ If no Dinitrol primer is available it is safe to use any other manufacturer's primer with Dinitrol urethane.
15. \_\_\_\_\_ Always wear properly fitted safety glasses /goggles and nitrile gloves before handling and while working with urethane products including primers and activators.
16. \_\_\_\_\_ If the auto glass does have a black ceramic frit, you do not need to use blackout primer.
17. What is the open shelf life on D-520 activator after replacing the lid tightly with seal in place after each use?
  - a. 1 week
  - b. 5 weeks
  - c. when it turns cloudy
  - d. b or c which ever comes first
18. What is the final tensile strength value of D-501HVHM?
  - a. 200 psi
  - b. 500 psi
  - c. 1000 psi
  - d. 1500 psi
19. What is the safe drive time for D-501HVHM at 55 degrees F and 25% r.h. with dual air-bags .
  - a. 1 hour
  - b. 1.5 hours
  - c. 15 hours
  - d. 25 hours
20. The driver of the vehicle must be informed and acknowledge
  - a. When it is safe to drive the vehicle
  - b. Which adhesive was used on the vehicle
  - c. When the glass should be replaced next
  - d. All of the above
21. FMVSS
  - a. ensures the highest level of safety
  - b. are highly regulated in auto glass replacement
  - c. are all completely outdated
  - d. stands for **Federal Motor Vehicle Safety Standards**
22. When covering larger areas of bare metal, how many layers of black primer should be applied?
  - a. 1
  - b. 2
  - c. 5
  - d. 7
23. On a wider frit band when it may be difficult to determine just where the new urethane will make contact
  - a. Apply a much wider lane of black primer on glass to better ensure contact with the urethane
  - b. Always use primerless urethane
  - c. There is no need to worry, Dinitrol urethane will always stick without primer
  - d. Use Duct-tape
24. Which Dinitrol Urethane would **NOT** be best suited for an Audi A8 because this Audi model has an aluminum body?
  - a. D-501HVHM
  - b. D-9000
  - c. D-9000FW
25. Which of the following is the best recommendation to help protect you as installer from potential liability
  - a. Use a one hour drive-away product like D-9000 on every installation
  - b. Never let your customer drive away without all occupants properly wearing their seat-belts

- c. Get as much certification as possible
  - d. Follow legal advice from an attorney who knows the laws of your state and in the states in which you operate.
26. When comparing the following which is the most cost effective in protecting your assets from potential legal judgments.
- a. Use one hour drive-away urethane products
  - b. Maintain the highest level of liability insurance possible
  - c. Regularly train, educate and certify all technicians at all credible auto glass intuitional training programs
  - d. Regularly spot check, and document on paper technician's installation procedures to ensure all aspects of proper installation.
27. For a windshield failure accident that results in death, which of the following is the most likely judgment for a prosecuted employee installer
- a. Criminal
  - b. Civil
  - c. Employee installers are shielded by their employer
  - d. Only b or c could be possible
28. Which of the following primers or activators must be used on the bonding surface of the glass in prep step before using D-530?
- a. D-520 Activator/Cleaner
  - b. D-560 Activator
  - c. D-540 Reactivator
  - d. D-528A Single Step Primer
29. Which of the following primers or activators is best to cover up a scratch on the pinch-weld?
- a. D-520 Activator/Cleaner
  - b. D-530 Glass/Paint Primer
  - c. D-540 Reactivator
  - d. D-560 PVC Activator
30. Which of the following primers or activators should be used on a urethane molding that came pre-applied to a **Volkswagen** back-glass (sometimes call PAAS)?
- a. D-520 Activator/Cleaner
  - b. D-540 Reactivator
  - c. D-560 PVC Activator
  - d. D-530 Glass/Paint Primer
31. Some back-glasses and quarter-lites when manufactured are encapsulated with a polyvinyl chloride or a plastic type of material. Which one of the following primers or activators is required for the installation?
- a. D-530 Glass/Paint Primer
  - b. D-540 Reactivator
  - c. D-560 PVC Activator
  - d. D-520 Activator/Cleaner
32. What Dinitrol Urethane is considered primerless to glass, paint, metal, and is only recommended for gasket sets, trims and moldings and backfilling or to fix leaks?
- a. D-410
  - b. D-500
  - c. D-500MV
  - d. D-500SA
33. The following are actual part numbers of products currently being used and sold in the US. Which product has the highest viscosity
- a. D-410
  - b. D-500
  - c. D-500MV
  - d. D-500SA
34. Which of the following is not a high modulus urethane when cured
- a. D-410
  - b. D-501HVHM
  - c. D-506
  - d. D-9000
35. Which urethane product should only be applied in temperatures above 40 degrees F?
- a. D-410
  - b. D-500SA
  - c. D-9000FW
  - d. D-506
36. The curing process for urethane products require
- a. H<sub>2</sub>O
  - b. Thermo energy
  - c. Time
  - d. All of the above are required
37. If a car has undergone recent bodywork repair and the pinchweld now has new paint on the pinchweld (without any old urethane remaining) what primer should be used on the paint around the entire pinchweld after lightly scuffing the paint first?
- a. D-530 Glass/Paint Primer
  - b. D-528 1-Step Primer
  - c. D-520
  - d. Either a or b
38. If the previous glass was set with butyl you must
- a. remove all butyl and its residue and scuff paint surface to ensure film or residue removal
  - b. prime the remaining butyl with D-540
  - c. remove all but 2 mm of butyl
  - d. always replace glass with butyl
39. MSDS is the acronym for
- a. The Mean of Statistical Division Science
  - b. Managing Safety Devices and Systems
  - c. Men ignoring Safety Die Sooner
  - d. Material Safety Data Sheet
40. Not having proper MSDS on hand could result in
- a. Someone's injury or death
  - b. A fine from OSHA ranging in thousands of dollars

- c. A fine from DOT ranging in thousands of dollars
  - d. Any one of the above
41. Of the following, what information is not found in the MSDS
- a. What type of safety gear is required when handling the product
  - b. Flash point or reactivity of product
  - c. When to seek medical attention
  - d. Drive away time
42. TDS is the acronym for
- a. Technical Data Sheet
  - b. Time required for Drivers Safety
  - c. Training Demonstration of Safety
  - d. Theoretical Dimensional Science
43. Which of the following facts are found in the TDS
- a. Drive-away-time
  - b. Measurement of specifications
  - c. Features and benefits
  - d. Any of the above
44. High **Modulus** urethane
- a. increases torsion-resistance and rigidity of the vehicle
  - b. is the same as high viscosity
  - c. is specified at 1.9 MPa or lower according to Audi
  - d. Is a property of liquids and fluid materials?
45. Viscosity is
- a. a property of liquids and fluid materials
  - b. a unit flow rate measurement
  - c. a measurement of liquid shear forces
  - d. all of the above
46. Drive away time determination of a given urethane product requires the adhesive manufacturer to evaluate
- a. A certain level of curing over time
  - b. A specific amount of pressure or resistance determined by high speed lap shear tests
  - c. FMVSS 212/208 crash testing
  - d. Anyone of the above
47. When using D-528 primer, what precautions are required prior to use?
- a. Wet scrub the glass area with glass cleaner and approved scuff pad only in the bonding area
  - b. Look to see that the primer has not exceed shelf life or open shelf life
  - c. Shake the bottle for at least one minute
  - d. All of the above