

SealBoss Corp. Certification Exam

Exam directions: This exam is to be completed by each contractor requesting a certification for the SealBoss Corp. product line. By taking this exam, the contractor is agreeing that he/she has thoroughly studied the previous 4 training sections, and has a significant understanding of the SealBoss Corp. product line.

1. WHAT KIND OF MATERIAL IS SealBoss 1510/1570? CIRCLE ALL CORRECT ANSWERS FROM EACH GROUP.

- A. EPOXY / PU / ACRYLATE
- B. HYDROPHOBIC FOAM / HYDROPHILIC FOAM
- C. PASTE / RESIN / FOAM-GROUT / GEL

2. WHAT KIND OF MATERIAL IS SealBoss 4040? CIRCLE ALL CORRECT ANSWERS FROM EACH GROUP.

- A. EPOXY / PU / CONCRETE
- B. PASTE / RESIN / FOAM / GEL
- C. SINGLE COMPONENT / TWO COMPONENT

3. WHAT KIND OF MATERIAL IS SealBoss FLEXGEL2? CIRCLE CORRECT ANSWER FROM EACH GROUP.

- A. PU-GEL / EPOXY
- B. RESIN / GEL / PASTE
- C. HYDROPHOBIC / HYDROPHILIC

4. BRIEFLY EXPLAIN THE TERMS HYDROPHOBIC / HYDROPHILIC AS USED FOR POLYURETHANE.

5. **DEFINE VISCOSITY (cps) IN YOUR OWN WORDS. SHOW THAT YOU UNDERSTAND THE CONCEPT, DOES NOT HAVE TO BE SCIENTIFIC.**

6. **CIRCLE A NUMBER FOR GOOD CONCRETE COMPRESSIVE STRENGTH (PSI). CIRCLE CORRECT ANSWER:**

A. 10 B. 200 C. 900 D. 5000 E. 20000

7. **WHICH MATERIAL GROUP IS MAINLY USED FOR WATERPROOFING INJECTION?**

- A. POLYURETHANE
- B. POLYACRYLATE
- C. EPOXY
- D. ALL OF THE ABOVE
- E. A AND B

8. **COMPARE INJECTION PRESSURES TYPICALLY USED FOR EPOXY AND PU-INJECTION AND GIVE A NUMBER IN PSI FOR EACH METHOD.**

9. **BRIEFLY DESCRIBE THE DIFFERENCE BETWEEN SURFACE PORTS AND MECHANICAL PACKERS**

10. HOW FAR DO YOU COMMONLY SPACE INJECTION PORTS? CIRCLE CORRECT ANSWER:

- A. 1"
- B. 8" – 12"
- C. 25"-30"
- D. 48"

11. A CRACK HAS THE DIMENSION ½ INCHES X 10 INCHES X 100FEET. WHAT IS THE VOLUME IN GALLONS?

11. PUT IN ORDER STARTING WITH THE SHORTEST TIME INDICATING WITH NUMBERS 1, 2, 3.

- A. GEL-TIME ____
- B. CURE-TIME ____
- C. POT-LIFE ____

12. BRIEFLY DESCRIBE THE CONCEPT OF BLADDER / CURTAIN INJECTION.

13. WHERE WOULD YOU EXPECT A LONGER POT-LIFE FOR SealBoss 4040, ALASKA OR FLORIDA, AND WHY?

14. FLEXGEL2 MIXED WITH WATER IN A RATIO OF 1:12 BY VOLUME FORMS A GEL. WHAT IS THE NON-WATER CONTENT APPROXIMATELY IN PERCENT %?

15. **SealBoss 1510 EXPANDS ABOUT 30 TIMES WHEN REACTING WITH WATER WITH NO COUNTERPRESSURE. WHAT IS THE EXPANSION IN PERCENT %?**

16. **A RESIN HAS A VISCOSITY OF 100 CPS AT ROOM TEMPERATURE. WHAT DO YOU EXPECT THE VISCOSITY TO BE AT 110F? HIGHER OR LOWER? WHY?**

17. **TWO CUSTOMERS HAVE 5000FEET OF CRACK OF THE SAME DIMENSIONS. ONE CUSTOMER ORDERS SealBoss 4040 THE OTHER DECIDES FOR SealBoss 1510. WHICH CUSTOMER HAS TO ORDER MORE MATERIAL AND WHY?**

18. **FOR STRUCTURAL REPAIRS IN CRACKED CONCRETE WALLS, WHICH SealBoss PRODUCT LINE WOULD YOU TYPICALLY RECOMMEND?**

19. **NAME AT LEAST ONE OF THE PROFESSIONAL TWO-COMPONENT EPOXY INJECTION MACHINES BY SealBoss Corp.?**

20. **FOR WATERPROOFING REPAIRS, WHICH SealBoss PRODUCT LINE WOULD YOU TYPICALLY RECOMMEND?**

21. **JOINT SEALING AND SPALL REPAIR, WHICH PRODUCT LINE WOULD YOU TYPICALLY RECOMMEND?**

22. **YOU WANT TO FIX FLOOR CRACKS IN A FREEZER AT TEMPERATURES BELOW 20F. YOU MUST CHOOSE BETWEEN SealBoss 6060 OR SealBoss 4040LV. WHICH PRODUCT DO YOU USE AND WHY?**

- 23. WHAT ARE THE TWO MAIN CHARACTERISTICS A TYPICAL POLYUREA IS KNOWN FOR IN REGARDS TO GEL TIME AND APPLICATION TEMPERATURE?**
- 24. WHAT ARE THE GENERAL LOW END TEMPERATURE LIMITATIONS FOR MOST EPOXIES IN FAHRENHEIT. PROVIDE A TEMPERATURE RANGE. WHAT HAPPENS IF THE PRODUCT AND ENVIRONMENT ARE TOO COLD?**
- 25. WHEN AND WHY IS A HYDROPHILIC GEL SOMETIMES SUBJECT TO SHRINKAGE? CAN IT EXPAND AGAIN?**
- 26. WHY IS SHRINKAGE IN A HYDROPHOBIC POLYURETHANE FOAM MINIMAL?**
- 27. A PRODUCT SHOULD BE "CONDITIONED" PRIOR TO USE. WHAT ARE THE TWO MOST IMPORTANT CRITERIA / PROCEDURES FOR CONDITIONING A PRODUCT PRIOR TO APPLICATION?**
- 28. WHAT IS THE NAME OF THE TWO COMPONENT PROFESSIONAL PUMP RECOMMENDED FOR LARGER FLOOR JOINT REPAIRS USING SealBoss 6500 POLYUREA IN BULK?**
- 29. WHICH SealBoss SYSTEM IS RECOMMENDED FOR SMALL FLOOR JOINT AND CRACK REPAIRS? NAME THE CONCRETE MENDER AND THE CONCRETE JOINT FILLER.**

30. YOU READ THE DATA LABELS, SHEETS, MSDS AND IT STILL DOES NOT MAKE SENSE TO YOU. WHAT SHOULD YOU DO?

- A. MIX THE PRODUCT AND SEE WHAT IT DOES
- B. CALL A FRIEND
- C. CALL THE PROFESSIONALS AT SealBoss Corp.
AT 714-662-4445

31. I BOUGHT A PUMP FROM SealBoss Corp. AND WANT TO PUMP SOME "OTHER" MATERIAL. WHAT SHOULD I DO?

- A. "TEST-MIX" THE PRODUCT AND POUR IT IN THE HOPPER, "AFTER ALL IT'S A SEALBOSS MACHINE AND SHOULD WORK – NO MATTER WHAT"
- C. CALL THE PROFESSIONALS AT SealBoss Corp.
AT 714-662-4445

Disclaimer: SealBoss WILL HELP TO 'MATCH' THE PRODUCT, BUT CANNOT GUARANTEE IT WILL BE SUITABLE FOR THE MACHINE. THE APPLICATOR IS ULTIMATELY RESPONSIBLE FOR THE COMPATIBILITY. SORRY, USED PUMPS CANNOT BE RETURNED FOR A REFUND.

32. LIST AT LEAST 3 PACKER TYPES AND EXPLAIN THEIR BENEFITS

33. WHY WOULD YOU USE A BUTTONHEAD TYPE PACKER AND COUPLER?

34. WHAT IS SealBoss INJECTION TUBE USED FOR AND WHAT ARE THE THREE COMPONENTS OF THE SYSTEM (CLIPS NOT INCLUDED) ?

35. WHAT ARE SealBoss SwellCaulk AND SwellTape AND WHAT ARE THEY USED FOR?

36. WHAT ARE THE BENEFITS OF SealBoss R70 PUMP FLUSH?

37. WHAT IS SealBoss CAN-SEAL-FOAM?

38. SealBoss Corp. OFFERS MANY YEARS OF EXPERIENCE IN THE INDUSTRY. THE FOUNDER HAS BEEN INVOLVED WITH CHEMICAL GROUTS AND CONCRETE REPAIR SYSTEMS SINCE 1978.

WHEN WAS SealBoss Corp. INCORPORATED?

AT THE CONCLUSION OF THIS EXAM, PLEASE SIGN, DATE, AND EMAIL COPY TO info@sealboss.com. THE EXAM WILL THEN BE GRADED AND FILED. UPON RECEIPT OF \$600,

A CERTIFICATE OF APPLICATION WILL BE ISSUED FOR THE CONTRACTOR. PLEASE PROVIDE CONTRACTOR'S NAME AND MAILING ADDRESS WHEN RETURNING THIS EXAM.

"I HEREBY STATE THAT THE ANSWERS TO THE ABOVE QUESTIONS ARE FROM (UNDERSIGNED) OWN KNOWLEDGE, AND THAT ALL SECTIONS OF THE TRAINING WERE UNDERTAKEN BY (UNDERSIGNED). THIS CERTIFICATION STATED THAT I HAVE FULL UNDERSTANDING OF THE WEBAC CORP. LINE, BUT DOES, IN NO WAY, WRITTEN OR IMPLIED, EXPRESS A WARRANTY OF APPLICATION FROM SEALBOSS CORP." THIS CERTIFICATION WILL BE VALID FOR A PERIOD OF 1 YEAR, WHICH CAN THEN BE RENEWED AT NO COST WITH PROVEN APPLICATION RECORD.

SIGNATURE _____

DATE: _____

PRINTED NAME _____

COMPANY NAME _____