

# API-936 Updated Dumps | Test API-936 Questions Fee



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API-936 certification program is primarily intended for refractory engineers, inspectors, and other professionals working in the refractory industry. Refractory Personnel certification program provides an opportunity for individuals to demonstrate their technical knowledge and expertise in the field of refractory materials. Refractory Personnel certification is highly valued by employers in the refractory industry and is often a requirement for certain job positions.

>> API-936 Updated Dumps <<

## Test API-936 Questions Fee & API-936 Test Book

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To qualify for the API 936 certification exam, the candidate must meet certain eligibility requirements. The candidate must have a minimum of two years of experience in refractory-related activities and a high school diploma or equivalent. Alternatively, the candidate can have one year of experience and an associate degree in engineering, science, or a related field. The candidate must also pass a vision test and a medical evaluation.

API-936 certification exam covers a wide range of topics related to refractory materials and their applications, such as refractory types, properties, and selection criteria, installation techniques, quality control, and safety measures. API-936 Exam consists of 120 multiple-choice questions, and candidates have four hours to complete it. To be eligible for the exam, candidates must have a minimum of two years of relevant experience in the refractory industry or a related field. Passing the API-936 exam demonstrates that the individual has a comprehensive understanding of refractory materials and their applications, making them an asset to any organization that deals with high-temperature processes.

## API Refractory Personnel Sample Questions (Q19-Q24):

### NEW QUESTION # 19

The property of matter by virtue of which heat energy is transmitted through particles in contact.

- A. Thermal conductivity
- B. None of the above
- C. Thermal shock
- D. Thermal expansion

**Answer: A**

### NEW QUESTION # 20

Which of the following statements regarding curing of hydraulic bonded castables is true?

- A. No part of the lining shall be allowed to air dry more than 3 hours before application of a curing compound
- B. After remaining in place for 24 hours, forms shall be removed and a curing compound applied within 1 hour of form removal
- C. The membrane curing compound shall burn off at a temperature not less than 500°F (260°C)
- D. Apply a manufacturer approved membrane-type curing compound before the surface is dry to the touch

**Answer: A**

Explanation:

Hydraulic bonded castables, such as those using calcium aluminate cement, cure through a hydration reaction that requires the presence of water. Premature drying due to wind, sun, or heat can halt the hydration process, weaken the structure, and cause surface cracking. API 936 mandates that no part of the exposed surface of the castable shall be allowed to dry more than 3 hours before a membrane curing compound is applied.

This statement ensures:

Retention of sufficient surface moisture for ongoing hydration.

Prevention of microcracking, which can later act as stress risers during service.

Uniform strength development across the lining.

The curing compound forms a film that limits evaporation, allowing for continued hydration over the next 24-48 hours.

Reference:

API Std 936, Section 6.3.2: "No portion of the exposed surface shall be allowed to dry more than 3 h prior to the application of the curing compound." ASTM C309(Referenced Standard): Specifies the performance requirements for curing compounds used in cement-based materials.

### NEW QUESTION # 21

For air-setting phosphate bonded, erosion-resistant refractories mixing, the mixer's paddles, and bowls shall be

- A. Carbon
- B. None of the above

- C. Aluminium
- D. Steel

**Answer: D**

#### **NEW QUESTION # 22**

From each production run, the testing frequency for erosion service refractory is one sample per:

- A. 1 pallet or less
- B. 2 tons or less
- C. 3 pallets or less
- D. batch

**Answer: B**

Explanation:

API 936 establishes quality assurance testing frequencies based on usage, service condition, and criticality of application. For erosion service refractory, which is subject to high-velocity particle impingement (e.g., in FCCU units), the standard testing frequency is one sample per 2 tons or less. This ensures that each significant quantity used in fabrication is represented by a test sample to verify compressive strength, density, and abrasion resistance.

Failure to meet this frequency may risk undetected variability in raw material batches or mixing inconsistencies.

Reference:

#### **NEW QUESTION # 23**

Who is responsible for ensuring that the material and applicator qualification test results are fully documented?

- A. Owner
- B. Contractor
- C. Manufacturer
- D. Inspector

**Answer: B**

Explanation:

According to API 936, the contractor is the entity responsible for overseeing and implementing the quality control system for refractory installation, which includes the documentation of all material and applicator qualification test results. This responsibility includes maintaining traceability, ensuring compliance with testing protocols, and presenting evidence of conformity for review.

API 936 outlines that proper documentation is part of the contractor's quality assurance program and must be made available to the inspector and owner upon request. This ensures that refractory materials and installation personnel meet the project requirements before work proceeds.

Reference:

API Std 936, Clause on Quality Control Documentation: "The contractor shall maintain complete records of all material qualification tests, applicator qualifications, and inspection reports." TR 980 also supports this under pre-installation responsibilities for contractors.

#### **NEW QUESTION # 24**

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