

API.API-936.v2024-04-01.q36

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NEW QUESTION: 1

Refractories means

- A. Hard to fuse
- B. Hard to test
- C. None of the above
- D. Hart to set

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

Castable, gunning mixes, ramming mixes, plastics, and mortars are

- A. Shaped refractory
- B. Refractory fiber
- C. Unshaped refractory
- D. All of the above

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

A natural or synthetic mineral theoretically consisting solely of alumina (Al_2O_3), specific gravity 4.00 - 4.02, melting point 3720°F. (2050° C) Hardness 8.8 is called

- A. None of the above
- B. Kaolin
- C. Corundum
- D. Mica

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 4

Arrange for testing at either an independent laboratory or the manufacturer's plant is

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

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 5

The most common sizes in thickness for hex mesh are

- A. $\frac{3}{4}$ in or 1" (19mm or 25mm)
- B. (10 - 20mm)
- C. (20 - 25mm)
- D. None of the above

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 6

The vessel in which cracking reaction occurs or is completed and product gases are separated from coke and/or catalyst particulate is called

- A. Regenerator of FCCU
- B. Cyclones of FCCU
- C. Reactor of FCCU
- D. None of the above

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 7

Applicator qualification for thin layer erosion resistant lining, each applicator shall pack a test panel of size.

- A. 500 x 500 x 25mm
- B. 450 x 450 x 50 mm
- C. None of the above
- D. 12" x 12" x $\frac{3}{4}$ or 1" (300 x 300 x 20 or 25mm)

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 8

Materials having refractory properties which form a refractory body when bonded into a conglomerate mass by a matrix is called

- A. Refractory mass
- B. Refractory aggregate
- C. Cementitious concrete
- D. None of the above

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 9

A metallic anchor made from rod or bar stock that is configured in a V-shape is called

- A. Stud wed
- B. Footed anchor
- C. V-anchor
- D. None of the above

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 10

Colour coding does not require for anchor alloy of

- A. Carbon steel
- B. SS304
- C. None of the above
- D. SS310

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 11

The length of metal fiber is

- A. None of the above
- B. 30 or 40mm
- C. 19mm or 25mm
- D. 10 or 15mm

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

Test panels for pneumatic gunning are inclined above the horizontal at an angle of

- A. 60°
- B. 30°
- C. 45°
- D. None of the above

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 13

Based on screen analysis the fines (cement, fumed silica, fine alumina) in typical modern castable is

- A. 30 - 40%
- B. None of the above
- C. 20 - 30%
- D. 40 - 50%

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 14

Testing frequency for material qualification of refractory for erosion service requires

- A. 1 sample per pallet or more from each production run
- B. 2 samples per pallet or more from each production run
- C. None of the above
- D. 1 sample per pallet or less from each production run

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 15

Hex mesh supplied in flexible rolls and ready fit to a curved surfaces is called

- A. All of the above
- B. Hexcel
- C. Hexalt anchor
- D. Flexmesh

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Refractory packing requirements, the weight in the bag, shall not deviate by more than

- A. $\pm 3\%$
- B. $\pm 1\%$
- C. $\pm 2\%$
- D. $\pm 4\%$

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

The formation of slag takes place by chemical action and fusion at furnace operating temperature in the way of

- A. In the refining of metals by substances such as lime added for the purpose of affecting or aiding the refining
- B. By chemical reaction between refractories and fluxing agents such as coal ash, or between two different types of refractories
- C. All of the above

D. In smelting operation, through the combination of a flux, such as limestone, with the gangue or waste portion of the ore

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 18

Refractory cast into a mock-up may be stripped and visually inspected after a minimum curing of

- A. 12 hrs
- B. 8 hrs
- C. 16 hrs
- D. 24 hrs

Answer: A [\(LEAVE A REPLY\)](#)

NEW QUESTION: 19

A group of impure magnesium silicate minerals that occur in a fibrous form is known as

- A. Mineral fibre
- B. Asbestos
- C. Fused silica
- D. None of the above

Answer: B [\(LEAVE A REPLY\)](#)

NEW QUESTION: 20

Packing of chemical setting refractories should have mechanical protection by

- A. Rigid plastic
- B. Cardboard
- C. Any of the above.
- D. Metal outside

Answer: C [\(LEAVE A REPLY\)](#)

NEW QUESTION: 21

A metallic anchor used to attach ceramic anchors to the casing or shall of a processing unit is

- A. U - anchor
- B. C-clip
- C. Claw anchor
- D. None of the above

Answer: B [\(LEAVE A REPLY\)](#)

NEW QUESTION: 22

As per API recommended practice 936, the standard test method for reheat change of refractory brick is

- A. C 133 - 97
- B. C113 - 02
- C. None of the above
- D. C 181 - 91

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 23

For modules of rupture test of brick and shapes, the preferred test specimen shall be standard

- A. 200 x 150 x 76mm
- B. None of the above
- C. 150 x 114 x 76mm
- D. 228 x 114 x 64 or 76mm

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 24

Section of transfer line in which flow is in a downward direction is called

- A. None of the above
- B. Standpipe of FCCU
- C. Transfer line of FCCU
- D. Riser of FCCU

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 25

The selected compression test section of the specimen for the CCs test shall be free from

- A. All of the above
- B. Other obvious defects
- C. cCracks
- D. Chipped surfaces

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 26

The vessel downstream of the reactor used to separate different product fractions is called

- A. Standpipe of FCCU
- B. Fractionator of FCCU
- C. None of the above
- D. Transfer line of FCCU

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 27

The application of monolithic refractories by means of air placement guns is

- A. Placing
- B. Pouring
- C. Casting
- D. Gunning

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

Applicator qualification for plastic thick layer, the test panel with an applied lining thickness and anchorage shall be

- A. 300 x 300 mm
- B. None of the above
- C. 500 x 500 mm
- D. 600mm x 300 mm (24" x 12")

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 29

Forms (types) of refractory

- A. Shaped
- B. Unshaped
- C. All above
- D. Refractory (ceramic) fibers

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 30

All the samples for the CCs test must be dried at 220 to 230°C (105 to 110°C) for

- A. 12 hrs (overnight)
- B. 24 hrs (overnight)
- C. 20 hrs (overnight)
- D. 18 hrs (overnight)

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 31

API 936, the standard test method for abrasion resistance of refractory materials at room temperature is

- A. C 113 - 02
- B. C 704 - 01
- C. C 181 - 91
- D. None of the above

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

Alumina - silica refractories containing 45% or more alumina, materials used in their production include diaspore, bauxite, gibbsite, kyanite, sillimanite, alusite, and fused alumina (artificial corundum) is called

- A. high alumina refractories
- B. insulating refractories
- C. all of the above
- D. fire clay refractory

Answer: (SHOW ANSWER)

NEW QUESTION: 33

Refractories whose major constituent is lime, magnesia, or both and which may react chemically with acid refractories, acid slags, or acid fluxes at a high temperature is known as

- A. Basic refractories
- B. None f the above
- C. Natural refractories
- D. Acid refractories

Answer: A (LEAVE A REPLY)

NEW QUESTION: 34

1 solid black is the color of the stripe for the alloy material

- A. 304L
- B. 310
- C. 304
- D. None of the above

Answer: C (LEAVE A REPLY)

NEW QUESTION: 35

Spalling of layers from the hot surface of a refractory lining is called

- A. Spalling
- B. Sheeting
- C. Crumbling

D. Erosion

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 36

Modulus of rupture test for castable refractories, the test specimen shall be

A. None of the above

B. 9 x 2 x 2 in (228 x 51 x 51mm)

C. 6 x 2 x 2 in

D. 8 x 2 x 2 in

Answer: ([SHOW ANSWER](#))

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