

Customizable Affordable High-Performance Acid Resistant Concrete Refractory Castable For Long-Lasting Industrial Use

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: RSNS-1.6, RSNS-1.8, RSNS-2.0
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification



Our Product Introduction

Product Description

Customizable Affordable High-Performance Acid Resistant Concrete Refractory Castable For Long-Lasting Industrial Use

Acid resistant concrete is a specialized refractory castable material designed to withstand the harsh conditions of high-acid environments, offering exceptional resistance to chemical erosion, abrasion, and high-temperature stress. This versatile concrete is ideal for use in industries that deal with corrosive substances, such as chemical manufacturing, petrochemicals, and wastewater treatment. At Rongsheng Refractory, we offer top-tier acid resistant concrete products that are engineered to provide maximum protection and durability in the most challenging applications.

What Makes Acid Resistant Concrete Stand Out?

Monolithic Refractory acid resistant concrete acid proof castable is formulated using a combination of high-quality aggregates, binders, and additives that impart the material with outstanding properties, making it suitable for a wide range of industrial applications:

Superior Chemical Resistance: Our acid resistant concrete is designed to endure exposure to strong acids, alkalis, and other aggressive chemicals without breaking down, making it ideal for use in corrosive environments.

Enhanced Durability: The unique composition of this concrete ensures it performs well under mechanical stress, vibration, and impact, ensuring that your structures remain intact and functional for longer periods.

High Temperature Resistance: In addition to its chemical resistance, this concrete can also withstand elevated temperatures, which is a critical feature in industries where both heat and chemical exposure are common.

Low Porosity: Acid resistant concrete is formulated to be low in porosity, preventing the absorption of harmful chemicals that can weaken or degrade the material over time.

Versatile Applications: This concrete can be used for various industrial purposes, from constructing floors and walls to building foundations and protective linings, offering robust protection across a range of applications.

Applications of Acid Resistant Concrete

Due to its exceptional properties, acid resistant concrete is used in numerous high-demand industries, including:

Chemical Industry: Acid resistant concrete is widely used for building floors, walls, and containment areas in chemical plants, where exposure to strong acids, solvents, and other reactive substances is frequent.

Petrochemical Industry: In refineries and petrochemical facilities, acid resistant concrete is used in areas exposed to corrosive materials like sulfuric acid, hydrochloric acid, and other industrial chemicals.

Wastewater Treatment: Acid resistant concrete is used in wastewater treatment plants for constructing tanks, channels, and other structures that need to resist the corrosive effects of wastewater and chemicals.

Food and Beverage Industry: In environments where acid-based cleaning agents are used, such as in food processing plants, acid resistant concrete offers reliable protection against corrosion and wear.

Pharmaceutical Industry: Acid resistant concrete is used in pharmaceutical manufacturing units, especially where acidic by-products or cleaning agents are used, to protect the integrity of floors and containment vessels.

Physical And Chemical Parameter of Rongsheng Acid Resistant Concrete

| Item | RSNS-1.6 | RSNS-1.8 |
|---------------------------------------|----------|----------|
| SiO ₂ (%)≥ | 45 | 48 |
| Bulk density (g/cm ³)≥ | 1.6 | 1.8 |
| Cola crushing strength (Mpa)≥ | 5 | 8 |
| Acid resistance(%)≥ | 95 | 95 |
| Thermal conductivity(350±25 ,W/m·k) ≤ | 0.5 | 0.55 |
| Application temperature() | 800 | 900 |

Benefits of Using Rongsheng Acid Resistant Concrete

At **Rongsheng Refractory**, we prioritize the quality and performance of our acid resistant concrete, ensuring that it meets the highest standards for durability, safety, and reliability. Here are some key benefits of using our acid resistant concrete:

Long-Lasting Performance: Our acid resistant concrete is engineered to last longer, providing excellent resistance to corrosion, chemical attack, and wear, thus reducing maintenance costs and extending the service life of your installations.

Customizable Solutions: We understand that different industries and applications have unique requirements. Our acid resistant concrete can be tailored to meet the specific needs of your project, ensuring optimal performance in your environment.

Cost-Effective Protection: With competitive pricing, our products provide cost-effective protection for your industrial equipment and infrastructure, saving you from costly repairs and replacements.

Expert Technical Support: With over 20 years of experience, Rongsheng Refractory offers expert advice and technical assistance to help you choose the right acid resistant concrete for your needs and ensure proper application and installation.

Why Choose Rongsheng Refractory for Your Acid Resistant Concrete Needs?

At **Rongsheng Refractory**, we have built a reputation for excellence in the refractory and concrete industries, supplying high-performance materials to industries around the world. Our acid resistant concrete products are crafted with the highest standards of quality and reliability in mind, offering you peace of mind in even the most demanding environments.

Proven Expertise: With more than two decades of experience, we have a deep understanding of the challenges industries face when dealing with corrosive substances and high temperatures, allowing us to provide solutions that truly make a difference.

Quality Control: We adhere to strict quality control processes throughout manufacturing, ensuring that every batch of acid resistant concrete meets the highest industry standards.

Global Supply: We have a proven track record of supplying high-quality acid resistant concrete to businesses worldwide, making us a trusted partner for your most critical projects.

Timely Delivery: We are committed to ensuring that our products are delivered on time, so you can proceed with your projects without delays.

Contact Us

For more information or to request a quote, contact us today! Our team of experts is here to help you find the right acid resistant concrete solution for your needs, ensuring long-lasting protection and performance.

Email: Jackyhan2023@outlook.com

Phone/WhatsApp: +86-18538509097

We look forward to working with you to deliver top-quality acid resistant concrete for your industrial needs.



Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd



+86-18538509097



Jackyhan2023@outlook.com



bricksrefractory.com

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China