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JGJ

PROFESSIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国行业标准

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Standard for technical requirements and test method of sand and crushed stone (or gravel) for ordinary concrete

普通混凝土用砂、石质量及检验方法标准

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Professional Standard of the People's Republic of China

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Content

1 Generic Principle

1.0.1 This professional standard is established to utilize nature sand, artificial sand, crushed stone and gravel reasonably in ordinary concrete, so that quality of sand and stone for ordinary concrete can be ensured.

1.0.2 This professional standard is applicable to quality requirements and test of sand and stone for ordinary concrete used in general industrial and civil architecture and building.

1.0.3 Alkali activity test shall be required for sand and stone used for important concrete structure in long-tern moisture environment.

1.0.4 Besides this standard, specification in current national related standard shall be followed for quality requirements and test of sand and stone.

2 Terms and symbols

2.1 Terms

2.1.1 Nature sand

Rock particle which is formed under nature conditions, while its nominal diameter is less than 5.00mm. It can be divided into river sand, sea sand and hill sand in accordance with its resource.

2.1.2 Artificial sand

Rock particle which is formed through excavation, mechanical crushing and screening, while its nominal diameter is less than 5.00mm.

2.1.3 Mixed sand

Sand mixed with nature sand and artificial sand in certain proportion.

2.1.4 Crushed stone

Rock particle formed by crushing and screening of nature rock or gravel, while its nominal diameter is larger than 5.00mm.

2.1.5 Gravel

Rock particle which is formed under nature conditions, while its nominal diameter is larger than 5.00mm.

2.1.6 Dust content

Content of particle that nominal diameter is less than 80 μm in sand or stone.

2.1.7 Clay lump content in sand

Content of particle that nominal diameter is larger than 1.25mm, but less than 630μm after washing and kneading in sand.

2.1.8 Clay lump content in stones

Content of particle that nominal diameter is larger than 5.00mm, but less than 2.50mm after washing and kneading in stones.

2.1.9 Crusher dust content

Content of particle that nominal diameter is less than 80 μm, and in the same mineral

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