
GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains terms used in this prospectus in connection with us and our business. The terms and their meanings may not correspond to the standard industry meanings, calculations or usage of those terms.

“admixtures”	an ingredient of concrete, to perform a variety of functions such as reducing water content, retarding or accelerating the setting rate or modifying the properties of concrete
“aggregates”	one of the filler materials in concrete, which could be classified into coarse aggregates and fine aggregates. Coarse aggregates mainly refer to gravel and crushed stones; fine aggregates mainly refer to natural sand and artificial sand
“AMTR” or “Amoy Transit Rail”	Xiamen Metro, the rapid transit system serving Xiamen
“batching”	the process of measuring and mixing the ingredients of concrete
“cement”	calcium alumina silicate with hydraulic properties that enable it to act as a binder, a key ingredient in concrete
“concrete”	a mixture of cement, water and aggregates, which hardens and gains strength to form a material with high compressive strength through hydration
“CTB” or “cement-treated base”	a mixture of cement, water and coarse aggregates that hardens after compaction and curing to form a strong, durable, frost resistant paving material
“curing”	a process that involves maintenance of desired moisture and temperature conditions for extended periods of time, to achieve desirable strength and durability of concrete
“GB/T12573-2008”	national standard for sampling method for cement jointly issued by AQSIQ and SAC
“GB/T14902-2012”	national standard for ready-mixed concrete jointly issued by AQSIQ and SAC
“GB/T1596-2017”	national standard for fly ash used for cement and concrete jointly issued by AQSIQ and SAC

GLOSSARY OF TECHNICAL TERMS

“GB/T18046-2017”	national standard for ground granulated blast furnace slag used for cement, mortar and concrete jointly issued by AQSIQ and SAC
“GB/T 19001-2016”	national standard for quality management systems requirements issued by SAC
“GB/T22082-2017”	national standard for reinforced concrete segments jointly issued by AQSIQ and SAC
“GB/T 23001-2017”	national standard for integration of informatisation and industrialisation management systems requirements issued by SAC
“GB/T23439-2017”	national standard for expansive agents for concrete jointly issued by AQSIQ and SAC
“GB/T 24001-2016”	national standard for environmental management systems requirements issued by SAC
“GB/T25181-2010”	national standard for ready-mixed mortar jointly issued by AQSIQ and SAC
“GB/T 28001-2011”	national standard for occupational health and safety management systems requirements issued by SAC
“GB/T50081-2019”	national standard for test methods of concrete physical and mechanical properties jointly issued by MOHURD and SAMR
“GB/T50107-2010”	national standard for evaluation of concrete compressive strength jointly issued by AQSIQ and MOHURD
“GB175-2007”	national standard for common portland cement jointly issued by AQSIQ and SAC
“GB50010-2010”	code for design of concrete structures jointly issued by AQSIQ and MOHURD
“GB50164-2011”	national standard for quality control of concrete jointly issued by AQSIQ and MOHURD
“GB50204-2015”	code for acceptance of constructional quality of concrete structures jointly issued by AQSIQ and MOHURD
“GB8076-2008”	national standard for concrete admixture jointly issued by AQSIQ and SAC

GLOSSARY OF TECHNICAL TERMS

“ISO”	International Organisation for Standardisation, a non-governmental international standard-setting organisation
“ISO14001:2015”	requirements set by ISO for environmental management system, certifying that the organisation is able to efficiently control and manage the environmental impacts caused by its activities
“ISO9001:2015”	requirements set by ISO for quality management system within an organisation, certifying that the organisation is able to demonstrate its ability to consistently provide products and services that meet its requisite standards
“JGJ52-2006”	industrial standard for technical requirements and test method of sand and crushed stones (or gravel) for ordinary concrete issued by Ministry of Construction of the PRC (currently known as MOHURD)
“JGJ55-2011”	industrial standard for specification for mix proportion design of ordinary concrete issued by MOHURD
“kg”	kilogramme(s)
“kWh”	kilowatt hour
“m”	metre(s)
“m ² ” or “sq.m.”	square metre(s)
“m ³ ”	cubic metre(s)
“MPa”	Megapascal, a unit of pressure which equals to 1,000,000 pascals
“OHSAS 18001:2007”	Occupational Health and Safety Assessment Series, an international assessment specification for occupational health and safety management system, which provides a framework for organisation to manage occupational health and safety risks associated with a business
“PC component(s)” or “precast concrete component(s)”	a construction product used in prefabricated method construction

GLOSSARY OF TECHNICAL TERMS

“PFA”	pulverised fuel ash, is the ash resulting from the burning of pulverised coal in coal-fired electricity power stations
“PM”	particulate matter
“prefabricated building”	a type of building that consists of several factory-built components or units that are assembled on-site to complete the unit
“RMC” or “ready-mixed concrete” or “commercial concrete”	concrete that is mixed for delivery from a batching plant instead of being mixed on the construction site, and is delivered to the site in a plastic condition using transport equipment
“slump”	the measure of concrete consistency and fluidity, which shows the flow and overall workability of freshly mixed concrete
“supplementary cementitious materials”	includes PFA, slag cement or silica fume, which is added to concrete to influence the properties of concrete
“test cube(s)”	cube(s) made from fresh concrete for testing grade strength
“tonne(s)”	metric ton, equivalent to 1,000 kg
“tunnel segment(s)”	is used to form segmental ring, which is a load-bearing ring used to support the structure of tunnel
“µg”	microgramme