

ICS 27.01  
CCS F01



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB 36888-2018**

---

**The norm of energy consumption per unit product of  
ready-mixed concrete**

预拌混凝土单位产品能源消耗限额

**Issued on: November 19, 2018**

**Implemented on: December 1, 2019**

---

**Issued by: State Administration for Market Regulation;  
Standardization Administration of China**

## Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Energy limit level

### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed and managed by the China National Standardization Administration. This standard was drafted. China Concrete and Cement Products Association, Beijing Xinao Concrete Group Co., Ltd., China Construction West Construction Co., Ltd. Co., Ltd., Southern Cement Co., Ltd., China Resources Cement Investment Co., Ltd., Beijing Guojian Lianxin Certification Center Co., Ltd., Beijing Xinhang Building Materials Co., Ltd. Group Co., Ltd., Wuhan Yuanjin Commodity Concrete Co., Ltd., Shenzhen Haihai Building Materials Co., Ltd., Xiamen Tianrun Jinlong Building Materials Co., Ltd. Guangdong Hengli Concrete Products Co., Ltd., Guangdong Ready Mixed Concrete Industry Association, China Academy of Building Research, Jiangxi Province Construction Materials Industrial Science Research Design Institute. The main drafters of this standard. Cheng Donghui, Zeng Qingdong, Zhang Qinghuan, Qi Guanghua, Shi Haixia, Chen Xiaohe, Li Wei, Nie Fazhi, Han Guanghui, Hou Weihong, Yang Genhong, Liu Junxiu, Zhong Sikai, Mao Shan hong, Wei Qingdong, Liu Songbai. Ready-mixed concrete unit product energy consumption limit

### 1 Scope

GB 36888-2018 is the Chinese national standard on the norm of energy consumption per unit product of ready-mixed concrete, in the field of energy and heat transfer engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 19 November 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2019. Classification: ICS 27.01, CCS F01. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions of the energy consumption (hereinafter referred to as energy consumption) limit of ready-mixed concrete unit products, energy consumption limit level, technology Technical requirements, statistical scope, statistical methods and calculation methods. This standard is applicable to the calculation and assessment of energy consumption of products in the production and transportation of ready-mixed concrete, as well as the energy consumption of new (reconstruction and expansion) projects. control.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2589 General rules for comprehensive energy consumption calculation

GB/T 12723 General rules for the preparation of energy consumption per unit product

GB/T 14902 ready-mixed concrete

## 3 Terms and definitions

The following terms and definitions as defined in GB/T 12723 and GB/T 14902 apply to this document.

3.1 Energy consumption consumptionofproduction During the reporting period, the sum of various energy sources consumed by the ready-mixed concrete through the feeding-ingredient-stirring-feeding process.

3.2 Energy consumption per unit of product production energy consumptionofproductionperunitproduct During the reporting period, the amount of energy consumed by the ready-mixed concrete unit product through the whole process of feeding-ingredient-stirring-cutting.

3.3 Transport energy consumption energyconsumptionoftransportation During the reporting period, the amount of energy consumed by ready-mixed concrete from the delivery of the truck to the discharge site at the pouring site and returning to the station sum.

3.4 Unit product transportation energy consumption energyconsumptionoftransportationperunitproduct During the reporting period, the energy consumed by the ready-mixed concrete unit products from the delivery of the truck to the discharge at the pouring site and return to the station Source quantity.

## 4 Energy limit level

The energy consumption limit level of ready-mixed concrete unit products is shown in Table

1, and the first-level energy consumption is the lowest.

chinastandards.org · PREVIEW