

ICS 91.040.01

CCS P 30



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

GB 50037-2013

Replacing GB 50037-1996

Code for design of ground surface and floor of building

Issued on: September 6, 2013

Implemented on: May 1, 2014

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China;**

**General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

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1 General Provisions

2 Terms

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3 Ground Type

3.1 Basic Requirement

Foreword

This code is prepared together by China United Engineering Corporation and other relevant units in accordance with the requirements of Notice on Issuing 2001~2002 Preparation and Revision Plan of Engineering Construction Standard (J.B. [2002] No. 85) of the original Ministry of Construction.

In preparation of this standard, the preparation team widely seeks for opinions of design, R&D, production department and other departments and units, collects mass data and finally makes this draft upon analytical investigation and based on domestic engineering practice.

The provisions in bold in this code are compulsory and shall be strictly followed.

This code shall be governed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China and its compulsory provisions shall be also interpreted by the Ministry of Housing and Urban-Rural Development of the People's Republic of China; its daily management shall be carried out by China Machinery Industry Federation and its technical provisions shall be interpreted by China United Engineering Corporation. If all units find any provisions needing revision or supplement in execution of this code, please send opinions and data to China United Engineering Corporation (Address. No. 338, Shiqiao Road, Hangzhou, Zhejiang Province; Post Code. 310022) for reference in future revision work.

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1.0.1 This code is prepared in order to make building ground up to building function and

use requirements, ensure advanced technology, economic feasibility, safety,
environmental protection and ensure building quality.

1.0.2 This code is applicable to design of underlying ground and floor ground and aprons,

open ditches, steps, stairs and ramps, etc.

1.0.3 In building ground design, it is required to fully use local materials and recoverable

resources, adapt to local conditions and make a difference according to engineering
features and working conditions.

1.0.4 Building ground design, except conformance to this code, shall also conform to

current relevant national standards.

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2.0.1 Building Ground

The general name of underlying ground and floor ground of building.

2.0.2 Surface Course

The surface course of building ground that directly suffers physics and chemical actions.

2.0.3 Combined Course

The connection layer between surface course and subjacent structural course.

2.0.4 Troweling Course

The structural layer that plays a role in troweling cushion, floor or filler course.

2.0.5 Isolating Course

The structural layer that prevents liquids, or water and damp on the building ground from penetrating the ground.

2.0.6 Damp Course

The Structural layer that prevents underground damp from penetrating the ground.

2.0.7 Filler Course

The structural layer that plays a role in sound isolation, heat preservation, slope making or hidden laying of pipelines, etc.

2.0.8 Under Layer

The structural layer set on the building foundation to bear and transfer upper load.

2.0.9 Foundation

The soil layer withstanding the load of underlying ground.

2.0 10 Shrinkage Crack

Shrinkage crack set to prevent concrete cushion from zigzag cracks when temperature decreases.