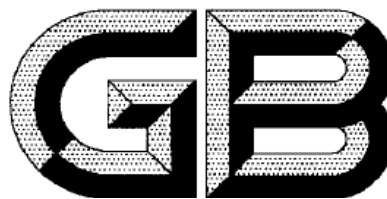


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NATIONAL STANDARD
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中华人民共和国国家标准

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GB 50207-2012

Code for Acceptance of Construction
Quality of Roof

屋面工程质量验收规范

Issued on: May 28, 2012

Implemented on: October 1, 2012

Jointly issued by the Ministry of Housing and Urban-rural Development of the People's Republic of China (MOHUD) and General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China

Ministry of Housing and Urban-Rural Development of the People's Republic of China
Announcement

No. 1394

**Announcement on Publishing the National Standard "Code for Acceptance of Construction
Quality of Roof"**

"Code for Acceptance of Construction Quality of Roof" has been approved as national standard with No. GB 50207-2012, implemented on October 1 in 201. Herein Articles 3.0.6, 3.0.12, 5.1.7, 7.2.7 are compulsory provisions which must be executed strictly. The previous national standard GB 50207-2002 "Code for Acceptance of Construction Quality of Roof" shall be abolished simultaneously.

Authorized by the Standard Rating Research Institute of the Ministry of Housing and Urban-Rural Development of P.R.C., this code is published and distributed by China Architecture and Building Press.

The Ministry of Housing and Urban-Rural Development of P.R.C.

May 28, 2012

Forward

According to the requirement of (JIANBIAO [2008] No. 102) "Notice on Printing [Development and Revision Plan on Project Construction Standards and Codes (in the first batch)], this code is the revision of GB 50207-2002 "Code for Acceptance of Construction Quality of Roof" jointly completed by the Shanxi Construction Project (Group) Company, Shanghai No.2 Construction Co., Ltd as well as other organizations concerned.

This code comprises 9 chapters and 2 appendixes. The main technical contents include: general, terms, basic requirements, base layer and protection construction, thermal insulation and insulation construction, waterproof and sealing construction, construction of bushing and running surface, construction of detail structure and acceptance of roof construction etc.

The Articles marked with boldface are compulsory provisions and must be enforced strictly.

The Ministry of Housing and Urban-Rural Development is in charge of the administration of this standard and the explanation of the compulsory provisions and the Shanxi Construction Project (Group) Company is responsible for the explanation of specific technical contents. During the process of implementing this standard, in combination with the project practice, the organizations are appreciated to carefully generalized experience, pay attention to accumulation of data and feedback their comments and suggestions to the Shanxi Construction Project (Group) Company (Address: No. 9, Xinjian Road, Taiyuan; Postal Code: 030002; E-mail: 4085462@sohu.com) for future reference in revision.

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1 General Provisions

1.0.1 This code was formulated for the purpose of strengthening the construction quality management of roof, unifying the quality acceptance of roof project and guaranteeing the functions and quality.

1.0.2 This code is applicable to the quality acceptance of building roof.

1.0.3 The design and construction of roof shall be in accordance with the relevant requirements of the current national standard GB 50345 "Technical Code for Roof Project".

1.0.4 The construction of roof project shall comply with the relevant requirements of the national environmental protection, building energy conservation and fire safety related.

1.0.5 The quality acceptance of Roof project not only shall meet those specified in this code, but also comply with those specified in the current relevant standards of the nation.

2 Terms

2.0.1 Vapor barrier

Structural layer preventing vapor from impregnating into thermal insulation layer.

2.0.2 Thermal insulation layer

Structural layer reducing heat exchange between roofs.

2.0.3 Waterproof layer

Structural layer able to isolate water and stop water permeating inside buildings.

2.0.4 Isolation layer

Structural layer eliminating adverse effects such as bond force, mechanical bite force and chemical reactions between two different materials.

2.0.5 Protection layer

Structural layer protecting waterproof layer or thermal insulation layer.

2.0.6 Insulation layer

Structural layer reducing solar radiant heat transferred inside room.

2.0.7 Compound waterproof layer

Waterproof layer composite of membrane and coating compatible to each other.

2.0.8 Additional layer

Reinforced layer of membrane or coating film arranged at the positions prone to leakage and damage.

2.0.9 Bushing surface

Structural layer by overspreading block tile or asphalt tile on the outmost side of roof, which has waterproof and decorative functions.

2.0.10 Running surface

Structural layer by overspreading metal plate or glass plate on the outmost side of roof, which has waterproof and decorative functions.

2.0.11 Waterproof leveling layer

Structural layer arranged under tiles and metal plates, which has waterproof and damp proof functions.

2.0.12 Nail-supporting layer

Structural layer of tile roof able to bond fastening nail.

2.0.13 Fiber material

Platy or felty fiber product made by centrifugal method or gas jet method after raw materials such as molten rock and slag molted at high temperature.

2.0.14 Spraying polyurethane foam

Jointless PURF formed by spraying foaming polyurethane on base layer with dedicated spraying equipment on site after adding additives such as foaming agent in isocyanate and polyhydric alcohols.

2.0.15 Cast foam concrete

Light porous concrete: make foaming agent solution into foam by physical method and then add the foam into the slurry made of cement, aggregate, admixtures and additives, and stir and cast on site, then conduct natural curing.

2.0.16 Glass lighting roof

Roof composed of transparent glass panel and supporting systems.

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