

ICS 83.140.99

CCS G47



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

GB/T 21897-2008

Load-bearing waterproof sheet

承载防水卷材

Issued on: May 15, 2008

Implemented on: November 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions 4 requires	2
5 Test Method	2
13 Annex D (normative) composite strength test	17

Foreword

The Standard Appendix A, Appendix B, Appendix C, Appendix D is a normative appendix. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Rubber and rubber products, rubber sundries Standardization Technical Committee Technical Committee (SAC/TC35/SC7) Centralized. This standard was drafted. Kazakhstan Tech Suileng two plastic Limited. The main drafters of this standard. He Shaolan, Universal Zou, Zhang Tian. This standard is the first release.

0.1 bearing waterproofing membrane developed in recent years have formed a bearer capabilities of the new waterproof materials. In order for this type of waterproofing membrane Material unified specification for production, market circulation, to provide the necessary basis for engineering applications, it is necessary to the preparation of "bearing waterproofing membrane" Country standard.

0.2 while carrying waterproofing membrane waterproof GB 18173.1 provisions, but also has cement concrete materials and engineering body Adhesive and can withstand the normal pull of the project, the tangential shear, peel lateral force function. Engineering method to pull schematically in Figure 1, tangential cut Shear schematically in Figure 2, Figure 3 a schematic side peel force. FIG. 1 a schematic engineering method to Rally Figure 2 to shear engineering schematic cut Figure 3 for lateral release force diagrams Bearing waterproofing membrane

1 Scope

GB/T 21897-2008 is the Chinese national standard on load-bearing waterproof sheet, in the field of rubber and plastic industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 May 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2008. Classification: ICS

83.140.99, CCS G47. 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 bearing waterproofing membrane (hereinafter referred to as web) terms and definitions, requirements, test methods, inspection rules, marking, packaging, Transport and storage. This standard applies to the cement concrete materials and engineering body bonded and able to withstand the project tangential shear force, normal tension, lateral peel force Composite waterproofing. Mainly used for underground water, water tunnel, road and bridge waterproof lining works, roofing and the like.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 528-1998 vulcanized rubber or thermoplastic rubber tensile stress strain properties (eqv ISO 37.1994)

GB/T 529-1999 Determination of vulcanized rubber or thermoplastic rubber tear strength (Trouser, angle and crescent test pieces) (eqv ISO 34-1.1994)

GB/T 1690-2006 vulcanized rubber or thermoplastic rubber of resistance to liquids - Test methods (ISO 1817.2005, MOD)

GB/T 2791-1995 T-peel adhesive strength test method for a flexible flexible material

GB/T 3512-2001 vulcanized rubber or thermoplastic rubber hot air and heat accelerated aging test (eqv ISO 188.1998)

GB 18173.1-2006 polymer waterproof materials - Part 1. Sheet GB J82-1985 ordinary concrete long-term performance and durability test methods

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Cement concrete materials and engineering subject adhesive, durable adhesion structure is stable and can withstand the normal engineering tension, tangential shear, peel side From the force of the composite waterproofing.

3.2 Ability to withstand normal web tension, expressed in MPa.

3.3 Ability to withstand the tangential web shear force, expressed in MPa.

3.4 Coil ability to withstand lateral peeling force, expressed in MPa.

3.5 Combined efforts membrane surface layer and the core layer to N/mm represent.

chinastandards.org · PREVIEW