



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 6914 : 1997

Jointing materials for gypsum
plasterboards

ICS 91.100.10

Descriptors : gypsum, gypsum plaster, plasterboard, wallboard, joints,
construction materials, cements, pointing

Reference number : JIS A 6914 : 1997 (E)



Documents

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A 6914:1997

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently JIS A 6914:1985 is replaced with JIS A 6914:1997.

Date of Establishment: 1985-04-01

Date of Revision: 1997-12-20

Date of Public Notice in Official Gazette: 1997-12-22

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Architecture

JIS A 6914:1997, First English edition published in 1998-11

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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Printed in Japan

Jointing materials for gypsum plasterboards

Introduction This Standard was established as joint treatment materials for gypsum boards in 1985 and revised formally according to **JIS Z 8301, Rules for the drafting and presentation of Japanese Industrial Standards**. This Standard is Japanese Industrial Standard established so that the corresponding international Standard are translated in relation to the corresponding part as referring to **ASTM C 474-89, Standard test method for joint treatment materials for gypsum board construction**, **ASTM C 475-93, Standard specification for joint compound and joint tape for finishing gypsum board** and **CEN/TC241/WG3/TG/1, Joint compound for gypsum board**, and any technical contents are not changed in this revision.

1 Scope This Standard specifies the joint treatment materials for gypsum plasterboards to be used mainly for reinforcement of joint parts and also for smooth finish for gypsum boards to be used for walls and ceilings inside of building.

Remarks: The units and numerical values given in { } in this Standard are based on the traditional units and are appended for informative reference.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS A 6901 *Gypsum boards*

JIS P 8113 *Paper and board—Determination of tensile properties*

JIS R 5201 *Physical testing methods for cement*

JIS Z 8801 *Test sieves*

3 Definitions The definitions of terms used in this Standard shall be as follows.

- (1) **joint compound** Powdery or pasty material of which the main component are gypsum and other material.
- (2) **joint tape** Belt-shaped reinforcement material to be used for the reinforcement of joint parts of the gypsum plaster boards to each other.
- (3) **joint compound for undercoating** Joint compound to be coated directly on gypsum plasterboard and to be used for the adjustment of unevenness on joint part and for the filling of joint tape.
- (4) **joint compound for overcoating** Joint compound to be coated on joint compound for undercoating and used for finishing on joint parts.
- (5) **joint compound for both uses** Joint compound to be able to use for both undercoating and overcoating.
- (6) **powdery joint compound** Joint compound to be used as a pasty condition by adding of water.
- (7) **ready-mixed joint compound** Joint compound to be prepared beforehand in a manufactory so as to be possible to use as it is.

4 Type

4.1 Joint compound The types of joint compound shall be in accordance with Table 1.

Table 1 Types of joint compound

Type	Form of hardening
Joint compound for undercoating	Reaction-hardening type Drying-hardening type
Joint compound for overcoating	Reaction-hardening type Drying-hardening type
Joint compound for both coating	Reaction-hardening type Drying-hardening type

Informative reference: The standard amount of water to be added shall be 4.0 l to 7.0 l per 10 kg of joint compound.

4.2 Joint tape The joint tape shall be made of paper.

5 Quality and dimension

5.1 Joint compound The quality of joint compound shall be in accordance with Table 2.

Table 2 Quality of joint compound

Type		Joint compound for undercoating	Joint compound for overcoating	Joint compound for both coating
Item				
Powder fineness, residue mg at 500 μm		—	1 max.	
Putridity		Any putridity shall not produce within 4 days.		
Shrinkage rate %		35 max. (only for dry hardening type)		
Cracking resistance		—	No cracking inside of 50 mm from the end of thin side in thickness at tapered part.	
Coagulating time		40 min min. 180 min max. (only for reactive hardening type)	—	40 min min. 180 min max. (only for reactive hardening type)
Adhesion property (%)	Joint compound and joint tape of paper	70 min.	—	70 min.
	Joint compound and gypsum plasterboard	70 min.	—	70 min.

5.2 Joint tape The quality and dimension of joint tape shall be in accordance with Table 3.