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Gypsum plasters

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Gypsum plasters

Introduction This Japanese Industrial Standard has been prepared on the basis of the corresponding parts (standard test condition, test on fineness of grinding and determination of bulk density) of the following International Standards without changing the technical content but adding the provisions mentioned below which are not included in the corresponding International Standards, as the provisions of the Japanese Industrial Standard.

Number, year of publication and title of the International Standards

ISO 3048 : 1974 *Gypsum plasters—General test conditions*

ISO 3049 : 1974 *Gypsum plasters—Determination of physical properties of powder*

ISO 3052 : 1974 *Gypsum plasters—Determination of water of crystallization content*

Provisions added as Japanese Industrial Standard Definitions, classification, quality, bending strength test, compressive strength test, hardness test, inspection, marking, clicined gypsum content and setting time.

1 Scope This Japanese Industrial Standard specifies the gypsum plasters used for plaster work of buildings in building site or manufacturing factory by proportioning with aggregate and mixing with water.

Remarks 1 The normative references to this Standard are as follows:

JIS R 5201 *Physical testing methods for cement*

JIS R 9101 *Methods for chemical analysis of gypsum*

JIS Z 8801 *Test sieves*

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

2 Definitions For the purpose of this Standard, the following definitions apply:

- (1) **gypsum plaster** Powdery wall coating material consisting mainly of clicined gypsum and mixed, when necessary, with admixtures, thickeners, setting retarders, etc.
- (2) **plaster proportioned at work site** Plaster used by proportioning with aggregate and mixing with water in building site.
- (3) **preproportioned plaster** Plaster in which aggregate, admixture, etc. are mixed in advance and usable only by mixing with water in building site.
- (4) **first coating** Process of coating wall for making bedding on which finish coating applies.
- (5) **finish coating** Process of coating base or bedding thinly as finishing as it is.
- (6) **clicined gypsum** Material obtained by baking gypsum and consisting mainly of semi-hydrate gypsum, and symbolized as $\text{CaSO}_4 \cdot 1/2 \text{H}_2\text{O}$.

Informative reference: For the aggregate of preproportioned plaster, river sand, quartz sand, crushed sand, vermiculite, perlite, calcium carbonate, etc. are used.