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Vacuum insulation panels for buildings

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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act.

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Vacuum insulation panels for buildings

1 Scope

This Japanese Industrial Standard specifies requirements for the vacuum insulation panels (VIPs) for buildings which use silica particles and glass wool core as core material. It is not applicable to VIPs used under special hygrothermal environment such as cold storage warehouses, or to those used for facility equipment, piping, etc. in residences and buildings.

NOTE Some VIPs for buildings have unfolded edges.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS A 0202 *Thermal insulation — Vocabulary*
- JIS A 1412-1 *Test method for thermal resistance and related properties of thermal insulations — Part 1 : Guarded hot plate apparatus*
- JIS A 1412-2 *Test method for thermal resistance and related properties of thermal insulations — Part 2 : Heat flow meter apparatus*
- JIS A 1487 *Test method of thermal transmission properties for vacuum insulated building components*
- JIS A 1488 *Test method for long term change in apparent thermal conductivity of vacuum insulation panels for buildings*
- JIS B 7503 *Mechanical dial gauges*
- JIS B 7507 *Vernier, dial and digital callipers*
- JIS B 7512 *Steel tape measures*
- JIS B 7516 *Metal rules*
- JIS Z 8126-1 *Vacuum technology — Vocabulary — Part 1 : General terms*
- JIS Z 8126-2 *Vacuum technology — Vocabulary — Part 2 : Vacuum pumps and related terms*
- JIS Z 8126-3 *Vacuum technology — Vocabulary — Part 3 : Vacuum gauges and related terms*
- ISO 10211 *Thermal bridges in building construction — Heat flows and surface temperatures — Detailed calculations*