

Technical Requirement for Environmental Products
The Certificable Technical Requirement for Environmental Labelling Products

Phosphorous Gypsum Building Products

HJBZ 29—1998

1 Scope

This technical requirement specifies terms, basic requirements, technical contents and test method for environmental labelling products of phosphorous gypsum building products.

This technical requirement shall apply to various gypsum building products which use phosphorous gypsum as primary raw material.

2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions in this standard. They have the same effectiveness as the technical requirement itself.

GB 5086—1997 Test Method Standard for Leaching Toxicity of Solid Waste

GB 6763—1986 Standard of limit on radioactive substance for industrial waste slags used in building materials

GB 9775—88 Common gypsum plaster board

GB 9776—88 Gypsum plaster for building purposes

GB 9777—88 Gypsum plaster board for decoration purposes

GB 9778—88 Decorating gypsum board for lay-in installing

GB 11978—89 Water-proof paper surface plaster board

GB 11979—89 Fire-proof paper surface plaster board

GB 11980—89 Punched plasterboard for absorbing sound

GB/T1555.11—1995 Waste-Determination of fluoride-Ion selective electrode method

In case of the criteria above are revised, the latest version should be applied.

3 Terms

3.1 "Phosphorous gypsum" refers to solid waste generated in the process of treating phosphorite with sulfuric acid to produce phosphoric acid. It's primary component is calcium sulfate.

3.2 "Phosphorous gypsum building products" refer to various selenite cements and plasterings for building, which use phosphorous gypsum as primary raw material.

4 Basic requirements

4.1 Indexes of product performance should fit into the requirements of GB 9775 ~ 9778—88, GB 11978 ~ 11980—89 and other related quality standards for gypsum building product.

4.2 Pollutant emission of the company that produce phosphorous gypsum products and raw material of gypsum should comply with the requirement specified in national or local pollutant emission standards.

5 Technical contents

Approved by SEPA on 02/26/1998

Entered into force on 02/26/1998

5.1 All gypsum raw material in process of production should be phosphorous gypsum. Its content should be more than 70% of the product weight.

5.2 The radioactivity indexes of product should conform with the requirement in section 2.1 of GB 6763-86.

5.3 Concentration of fluorion leached from product should be ≤ 5 mg/L.

6 Test

6.1 Test for technical contents described in 5.2 should be conducted according to the method specified in section 3.2 of GB 6763-86.

6.2 Test for technical contents described in 5.3 should accord with the methods specified in GB 5086—1997 and GB/T 15555.11—1995.

Annotations:

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.