

Chinese Insulation and Energy Saving Material Industry Development Plan for the “12th Five-year Program”

China Insulation & Energy Efficiency Materials Association

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- **Part 1: CIEEMA Introduction**

Short History

- In March 1987, the China Heat & Sound Materials Association, CHSIMA was found, as one of supporting associations attached to the National Administration for Building Materials.
- In February 2001, the National Administration for Building Materials was withdrawn from the Government institutions, and the CHSIMA as an independent nonprofit industrial association was legally registered with the Ministry of Civil Affairs.
- In January 2009, under the approval of the MCA, the CHSIMA was changed its title into the China Isolation and Energy Efficiency Material Association, CIEEMA.

Objectives and Aims

Service, Coordination, Guidance & Consultation in Isolation and Energy Efficiency Material Industry:

- respect and follow the social morality;
- play the roles as coordinating & guiding for the professional activities;
- Provide services and consultation for members and other associates;
- Maintain the standard procedures on production and operating;
- Protects equal opportunities and legal interests of all members;
- Promote a healthy development in the industry .

Members

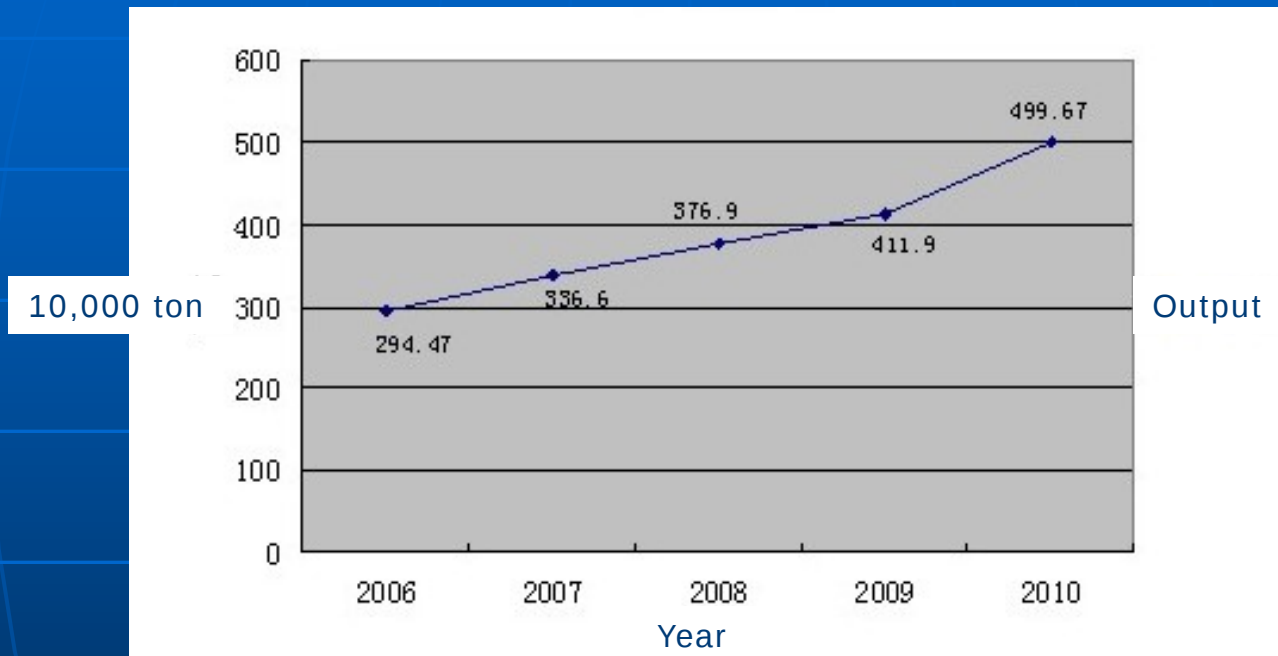
- More than 600 members
- Mainly engaged in producing, designing, and researching insulation materials
- Product includes rock & slag wool, glass wool, aluminum silicate fiber, calcium silicate, asbestos foam, cellular plastic, expanded vermiculite, expanded perlite, composite insulating silicate board, sound absorption products, lightweight construction board, micro bead products, diatomaceous products, special machinery.

Organizational Structure



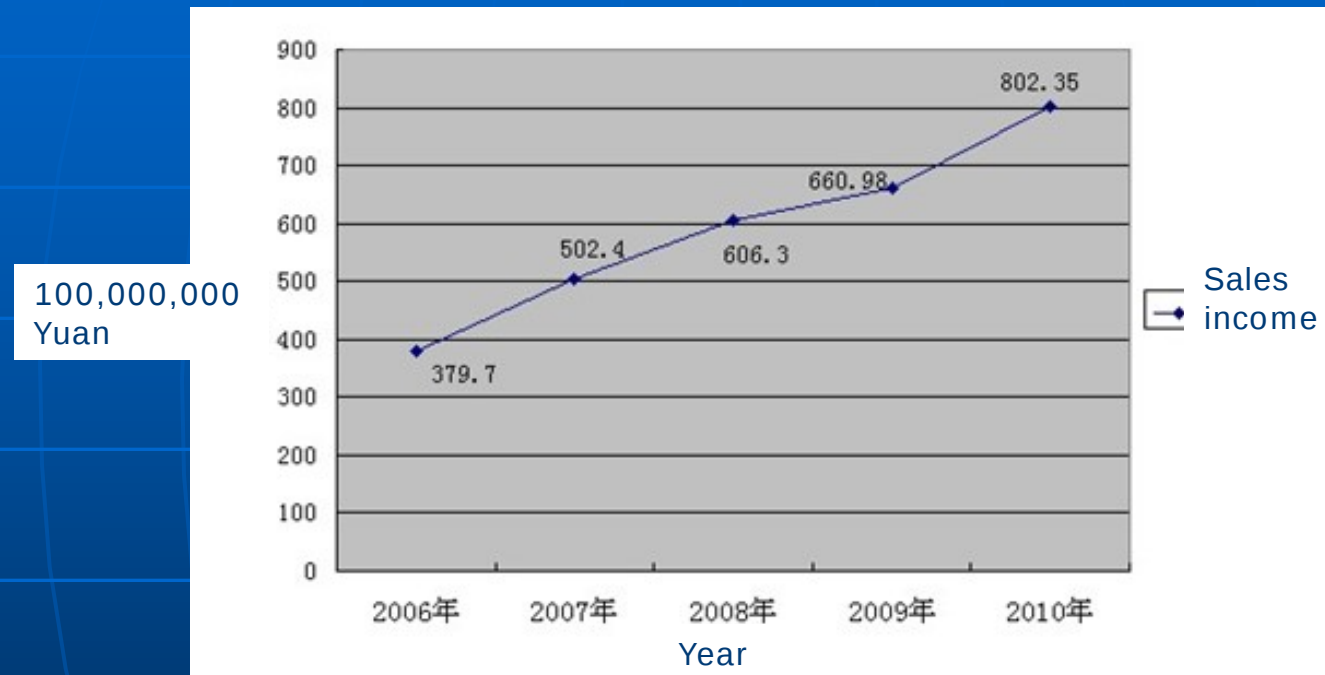
- **Part 2: Achievements in the “11th Five-year” Plan Period (2006-2010)**

Rapid growth of both output and sales income



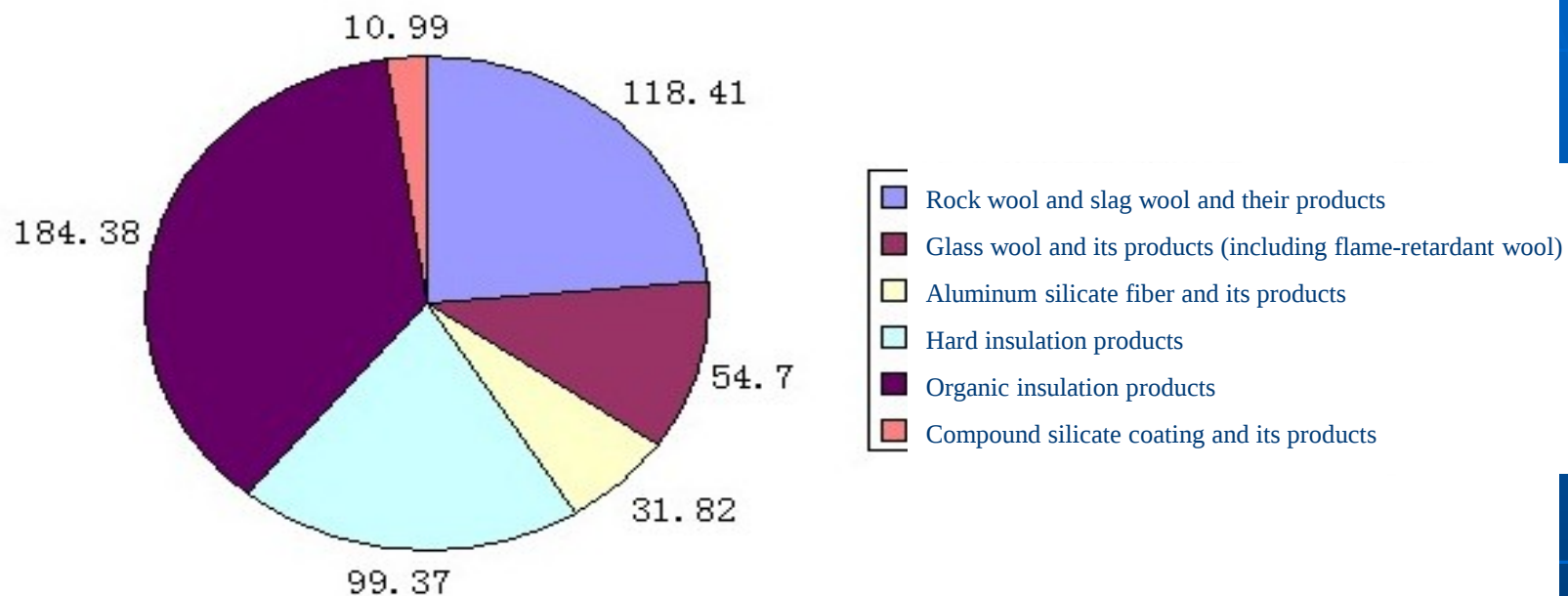
In 2010, Chinese insulation and energy saving material achieved gross output of 4,996,700 tons doubling that (2.45 million tons) of 2005, annual average growth rate up to 15%

Rapid growth of both output and sales income



Annual sales income up to RMB 80.235 billion as much as 2.4 times of that (RMB 32.97 billion) of 2005, entering a stage of stable and rapid development.

Product structure and its application



In the past five years, the product structure had gradually tended to be reasonable.

- **Part 3: Demand analysis
in the “12th Five-year” Plan Period (2011-2015)**

Huge Market demand

■ **Construction demand: more than 6 million tons every year**

- Accumulative total urban new building area will reach 4 billion to 5 billion m² in the period
- Annual increment of rural residential building area will exceed 800 million m²,
- Energy saving renovation for existing residential buildings will be conducted for more than 400 million m² in northern regions and 50 million m² the other part of China
- Energy saving refurbishment for high energy consumption public buildings will reach 60 million m²

■ **Industrial demand: more than 1.80 million tons every year**

- **Part 4: Development Objectives and Development Emphases**

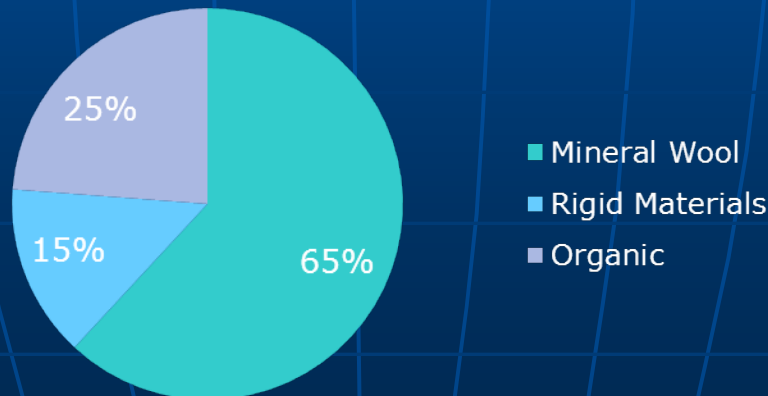
Objectives

■ Output objective

- By 2015, Gross output of heat insulation materials to reach 8 million to 10 million tons a year

■ Product structure adjustment objective

- To cultivate new growth and new application fields, like the areas of iron and steel, petrochemical, power, road traffic, shipbuilding, automobile, high speed railway and aeronautics.
- To apply 70% of the total building energy efficiency market and 30% industrial energy saving market.



Emphasis

- Fire safety, environment-friendly is highlighted
- Further develop Green technologies and products, functional materials, and recyclable insulation materials
- Improve the quality of mineral wool product, calcium silicate products, rubber and plastic products, polyurethane and foam glass and develop low radiation heat transfer material and structure, efficient thin layer heat insulation and antisepsis integrated coating, multilayer heat isolation structure, vacuum thermal insulation material, phase-change material to meet industrial market requirement
- Lightweight building boards, partial products with good performance on energy saving, tightness, long-lasting, and construction convenience should be researched and developed.

- **Part 5: Development Trend and Main Tasks**

- To develop new application fields
- To adjust and optimize industrial restructure and improve industrial concentration
- To eliminate obsolete production capacity
- To cultivate brand products and improve brand awareness
- To promote technological innovation and quicken the R&D and industrialization of new products
- To establish and complete the public service system of the entire industry

Thanks