

Industrial Waste Gypsum Resource Utilization

Titanium gypsum

Phospho-gypsum

Salt-gypsum

Industrial by-product gypsum is a waste produced in the process of industrial production. The main component is $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$. How to use high value-added and resource utilization is the primary problem that restricts the sustainable development of various industries. Jiuwu HI-TECH has a mature membrane integration technology, gypsum crystal promoter and other core technologies. At the same time, Jiuwu HI-TECH developed a combination of process equipment combined with "pre-processing + high value-added resource" to produce a variety of industrial gypsum. We can produce different varieties of industrial gypsum, such as high strength gypsum, β -series building gypsum, anhydrite(II), etc. Among them, the "JIUWU MCM Titanium Gypsum Resource Use Technology" passed the industry identification and was evaluated to position the "International Advanced Level" and "Nanjing Innovation Products", and was included in the "National Industrial Resources Comprehensive Use Advanced Applicable Craft Technology Equipment Catalog (2021 Edition)", the first pioneer in China.



Traditional red gypsum



JIUWU MCM Titanium Gypsum



Appraisal of scientific and technological achievements in the titanium dioxide and gypsum industry



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