

ABSTRACT

The present invention provides an acid-resistant sulfur material that has excellent strength, and is capable of exhibiting excellent corrosion resistance and
5 excellently maintaining appearance even in a strongly acidic environment, a high concentration hydrogen sulfide environment, or a high concentration sulfur-oxidizing bacterial environment. The invention also provides a method of constructing such an acid-resistant sulfur
10 material. The acid-resistant sulfur material contains a modified sulfur and an aggregate, the modified sulfur having been prepared by polymerizing sulfur with a sulfur modifier. The aggregate is an inorganic aggregate containing at least Si, and a weight ratio of Ca, Si, and
15 Al in the aggregate in terms of oxides expressed as $\text{CaO}/(\text{SiO}_2 + \text{Al}_2\text{O}_3)$ is not higher than 0.2.