

## Company

KUNIMINE INDUSTRIES CO., LTD.

Manufacture of  
Ceramic, Stone and  
Clay Products

## Basic Information

<b>Representative</b>	Yasuhiko Kunimine, President		
<b>Address</b>	【Iwaki Factory & Laboratory】 23-5 Kuidesaku, Shimofunao-machi, Joban, Iwaki, Fukushima 972-8312		
	【Tokyo Head Office】1-10-5 Iwamoto-cho, Chiyoda-ku, Tokyo 101-0032		
<b>Capital</b>	¥1617M	<b>Employees</b>	212
<b>Telephone</b>	+81-246-44-7100	<b>Fax</b>	+81-246-44-7102
<b>Website</b>	http://www.kunimine.co.jp/		
<b>Affiliated Companies</b>			
<b>Major Clients</b>	Syngenta Japan K.K., Sojitz Corporation		
<b>Contact Person</b>	Keiichi Kurosaka, General Manager, Chemicals Div., Iwaki Laboratories E-mail : kurosaka@kunimine.co.jp		



## Areas of Business

- Mining, manufacturing and selling of bentonite

## Major Products / Technologies / Services

- Bentonite
- Refined bentonite
- Synthetic smectite
- Bentonite water-sealing products
- Exhaust gas auxiliary reactor

## Business Conduct in the Field of Renewable Energy

## Introduction

KUNIMINE INDUSTRIES manufactures gas barrier materials using clay minerals as principal raw material.

We have realized a high level of gas barrier which is equivalent to vapor deposition for aluminum coatings by transforming special clay minerals into thin sheets. This technology was jointly developed with the National Institute of Advanced Industrial Science and Technology (AIST).

We are now researching and developing the clay filming material towards practical application of surface protection sheets for PV panels and rust preventive coating for wind turbine generators.

## Areas of Interest

Photovoltaic	Smart Community
Wind Power	Ground-Source Heat
Hydro Power	Storage Batteries
Biomass	Hydrogen Energy
Others ( )	

## Track Record

Clay film coating material for back sheets of PV panels

## Suggestions &amp; Proposals

Because general gas barrier materials are processed into a sheet form, they could only be applied for limited uses.

KUNIMINE INDUSTRIES has successfully liquidized clay film coating material which exceeds a quality of standard gas barrier sheets. As a result, this liquid clay coating material makes it possible to apply coating by painting.

The product may be used for various purposes, not only used for resin films but it also gives a gas barrier quality to moldings.

