



-  **Quality**
-  **Consistency**
-  **Clarity**



PREMIER BENTCLAY INDUSTRIES

PREMIER BENTCLAY INDUSTRIES PVT. LTD.
REFINED MINERAL SOLUTIONS

THE PRODUCT **PROBENT** (ACTIVATED BLEACHING EARTHS).

The bleaching process is removing colouring materials such as chlorophyll and carotene and purifying the fats and oils. The method is by adsorption of the colour producing substances on an adsorbent material. Bleaching Earth is used as bleaching adsorbents which bleaches oil without altering the chemical properties of the oil. Bleaching earth is the most important chemical utilized in the refining of oils & fats where it purifies, decolorizes and imparts stability to the refined oil. Oil refineries depend on bleaching earth to bring their products to the required marketable form, but the quality / grade used must guarantee best results and must be economically viable.

The Process

PROBENT Bleaching Earth is manufactured from the best quality, selectively mined and scientifically blended clays under stringent process controls. At the factory, the clay is processed to develop its bleaching performance & filtration properties. Our well-equipped, quality-control laboratories test the key properties of the bleaching earth with equipment of the highest international standards.

PRODUCT RANGE

PROBENT - ULTRA
PROBENT - PRIME
PROBENT - SUPREME
PROBENT - CLASSIC

KEY PROPERTIES

- Excellent Absorptive Capacity
- Controlled Acid Properties
- Superb Catalytic Properties
- Improved Ion Exchange Capacity
- Uniform Particle Size Distribution
- Unique Filtration Properties

APPLICATIONS

- Refining Of Edible Oils.
(cottonseed, Soybean, Sunflower, Rapeseed, Mustard, Peanut, Coconut, Corn, Olive, Rice Bran, Palm, Palm-kernel, Linseed, Castor, Jojoba & Canola Oils.)
- Refining of Minerals Oils.
- Refining of Solvents.
- Refining of Fuels.
- Refining of Wines.



PREMIER BENTCLAY INDUSTRIES PVT. LTD. REFINED MINERAL SOLUTIONS

BRANCH OFFICE :

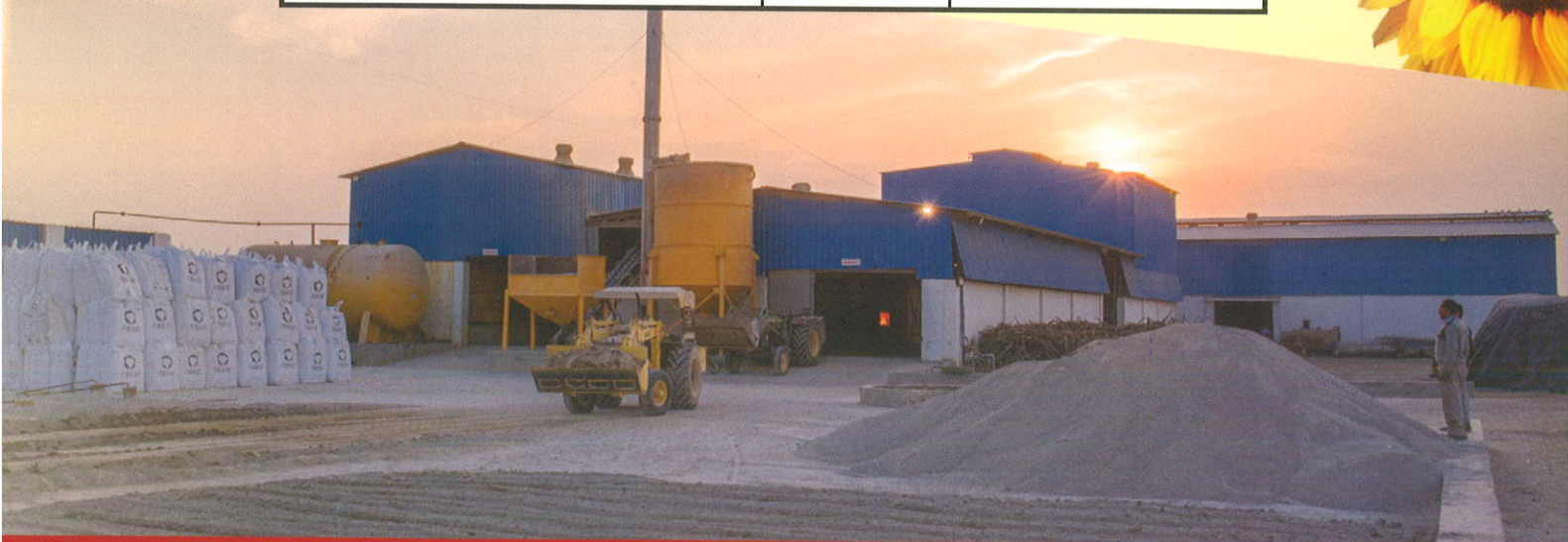
SURVEY NO. 904, VILLAGE- DHANETI, BHUJ-BHACHAU HIGHWAY, DIST- KUTCH, 370020. GUJARAT, INDIA
Contact No. + 91 2832 254841, + 91 98490 02571, Email : info@premierbentclay.com

PROBENT - Activated Bleaching Earth

PARAMETERS	UNIT	PROBENT ULTRA	PROBENT PRIME	PROBENT SUPREME	PROBENT CLASSIC
MOISTURE CONTENT	%	8 max	10 max	10 max	12 max
pH 10 % Suspension	-	2.5-3.0	3.0-4.0	3.0-4.0	3.0-5.0
Absolute Bulk Density	gm/ltr	550 max	600 max	650 max	700 max
Particle Size Passing % 45 micron (350 #)	%	75 min	70 min	70 min	70 min
Particle Size Passing % 75 micron (200 #)	%	95 min	93 min	93 min	90 min
Particle Size Passing % 150 micron (100 #)	%	99 min	98 min	98 min	97 min
Bleaching Efficiency (Against Lab Standard)	%	98 min	95 min	93 min	91 min
Residual Acidity	%	0.5 max	0.5 max	0.3 max	0.5 max

PROBENT - Activated Bleaching Earth

TYPICAL CHEMICAL ANALYSIS	UNIT	PROBENT
Silica as SiO ₂	%	68.80
Iron as Fe ₂ O ₃	%	3.86
Aluminium as Al ₂ O ₃	%	11.74
Calcium as CaCO ₃	%	2.05
Magnesium as MgO	%	2.17
Sodium as Na ₂ O	%	0.52
Potassium as K ₂ O	%	0.43
Titanium as TiO ₂	%	1.21
Loss on Ignition (LOI)	%	7.91





THE COMPANY

PBI has over 15 years of experience in mining, processing and supply of various minerals like Feldspar, Bentonite, Attapulgitite, wash clay earth, kaolin, diatomaceous earth, ball clay etc. We serve various industries in the field of ceramic, paint, paper, fertilizer oil & foods industries, pharmaceuticals industries etc.

With humble beginning in the year 2003, the company has come a long way and today it stands tall as a respectable and dependable name. Being a quality conscious concern, PBI group provides superior products. The people behind the company have been in the field of Bleaching Earth since the last three decades from mining to manufacturing different types of finished bleaching products. We have been supplying to host of reputed domestic edible oil refining companies. Have been exporting to Malaysia since over a decade.

The company has good exposure to exporting in containers in and also in break bulk as per the requirements of the clients. The company among its customers has top refineries of Malaysia, Indonesia and other reputed clients.

VISION & MISSION

The PBI group believes in constant invention, continuous quality advancement and responding to the present day needs of the Industry for high performing products and prompt services. Moreover, excellent customer service and adherence to stringent safety requirements will always remain our priority.

