



ESHAN MINERALS PVT. LTD.

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THE BEST WAY TO
PREDICT THE FUTURE
IS TO INVENT IT

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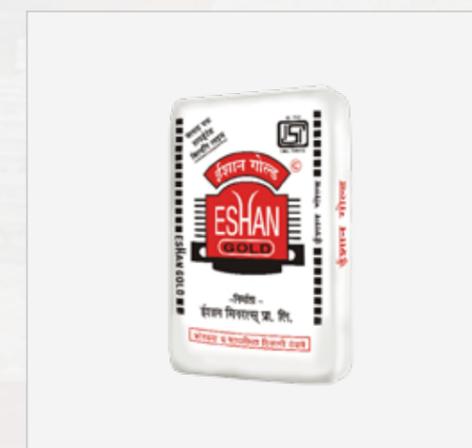
ABOUT US

An ISO 9001 company,
Eshan Minerals Pvt. Ltd,
specializes in mining,
manufacturing and
development of specialty
construction material.

MINING & MINERALS

- Mining
- Dolomite
- Calcined Dolomite
- Hydrated Dolomite
- Quick Lime
- Hydrated Lime

CONSTRUCTION MATERIALS



Lime Plaster



Lime Wash



ABOUT US

An ISO 9001 company, Eshan Minerals Pvt. Ltd, specializes in mining, manufacturing and development of specialty construction material. The company was founded in the year 1984 by its visionary founder Mr. Rajkumar V. Agrawal. Under his able guidance the company has grown significantly and is today a leading manufacturer of Calcined Dolomite and Lime Plaster. The company is also involved in the mining of Dolomite and Limestone and caters to bulk supply needs for industrial usage.

Eshan Gold Lime Plaster is the flagship brand

of the company with a strong presence in the state of Maharashtra and South Gujarat. It has been the market leader in its sector and geography for over 25 years now. Eshan Gold is India's first ISI certified Lime Plaster.

Eshan Minerals has some of the highest grade mining sites in Maharashtra for Limestone and Dolomite. With its large mining areas, the company meets the needs for industrial consumption of these essential minerals across various sectors. Given the ideal geographical location of the Eshan Mineral's sites, the natural minerals mined here are of

a superior quality. The quarry of Eshan Minerals, boasts of being one of the finest in India with respect to the limestone and dolomite composition. With its commitment of providing the best quality products and solutions, the company's products have become an integral part of various industries like steel, glass, fertilizers etc.

Safety is very much important to us and we are very much concern for the same. We have been awarded consistently for Best Safety in Mining by DGMS in year 2013, 2014, 2015, 2016 & 2017.

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**GIVING INDIA
THE NERVES
OF STEEL**

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MINING

At Eshan Minerals, systematic and scientific mining is sustained with the help of state-of-the-art computerized scheduling. The mining operation is carried out through the fully mechanized open cast mining method, and controlled blasting is adopted at the mine site through the use of electronic detonators for exact precision. The equipment used includes drill machines, hydraulic excavators, in-site rock breakers, dumpers, loaders, crushers and other mining equipment.

The hard overburden generated is dumped or used to back-fill the area with good topsoil. The dumps are well designed and maintained with a

predefined slope angle for maximum stability. In order to meet the Dolomite quality requirements, Eshan Minerals has established a state of art laboratory at the mine site and the product quality is maintained by regular analysis of blast hole samples before blasting.

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CUSTOMER SERVICES & LOGISTICS

We pride ourselves on our ability to accurately respond to all orders, small or large, and on our reliable and speedy delivery throughout the country. Our team of sales coordinators keep in touch with customers to anticipate their requirements and, if the consumers' specification changes, we pride ourselves on our capacity to respond to them quickly. The efficiency of our supply chain, from the quarry to the customer's destination, is of utmost concern to us. It includes coordinating the correct equipment and the transport agency with the particular product being transported. From mining to transportation, we strive to be the kind of company you'd be pleased to have as your supplier and happy to have as your neighbor.

MINERALS

DOLOMITE

Dolomite is an anhydrous carbonate mineral. It is a double carbonate of calcium and magnesium. It is one of the important raw materials used in production of iron and steel, glass, and many other chemical industries as a source of magnesia (MgO).



RAW DOLOMITE

Dolomite is an anhydrous carbonate mineral. It is a double carbonate of calcium and magnesium ($\text{CaCO}_3 \cdot \text{MgCO}_3$).

Eshan Minerals bring forth Low Silica Dolomite Stone having less than <1% Silica.

This high grade mineral is found ideal for all type of industry where it is used as a source of magnesia or carbonates.

USES

Iron and steel, glass, fertilizers, paint, soaps, putty and many other chemical industries as a source of magnesia (MgO).

SIZES

We at EMPL meet the specifications and requirement for all type of customer. It is crushed and processed using modern equipment and screened to be used for variety of purposes. We check the quality of Dolomite Stone till the time of dispatch to ensure best of quality.

COMPOSITION

Following is the composition of Raw Dolomite:





CALCINED DOLOMITE

Eshan Minerals are reputed manufacturers and suppliers of high grade Calcined Dolomite in the country. Our Dolomite Stone is of the finest quality. Due to our stringent quality and modern process of Calcination we are able to supply high grade material with precise chemical and physical properties. We have established a state of art laboratory at the plant site and the product quality is maintained by regular analysis of every batch samples.

COMPOSITION

Following is the composition of Raw Dolomite:

>57%

CaO

>37%

MgO

<03%

LOI₂

<02%

SiO₂

SIZES

According to requirement in small or jumbo bags.

USES

The major use of Calcined Dolomite is in steelmaking. In steelmaking dolomite is used both as a fluxing material and also as a refractory material. For use in steelmaking, the SiO₂ (because of its acidic nature) content in the dolomite is to be very low. Thus Eshan Minerals plays an important role in supply of high grade Calcined dolomite.



HYDRATED DOLOMITE

Hydrated Dolomite, is a dry fine white powder with chemical formula (Ca(OH)₂.Mg(OH)₂) The Hydrated Dolomite manufactured in our state-of-art plant is free flowing fine powder, without any grits and impurities.

COMPOSITION

Following is the composition of Hydrated Dolomite:

>90%

CaMg(OH)₂

USES

The magnesium hydroxide contained is beneficial in industrial processes such as silica removal. It also has a high neutralizing power.

SIZES

According to requirement in small or jumbo bags.



CONSTRUCTION MATERIALS

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INDIA'S FIRST
ISI MARKED
LIME PLASTER
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LIME PLASTER

Eshan Gold Plaster is a lime based plaster for finishing interior walls and ceilings.

Eshan Gold Plaster can be used on rendered surfaces which gives a superior milky white marble finish.

TECHNICAL DATA

FILTER

Precisely graded lime powder fraction max-
Grain size passing through 300 micron sieve.

DENSITY

0.5 kg/lit when dry.

COAT THICKNESS

Max. 1mm

POT LIFE

4 hrs. if enough water added (6" to 7" above
Lime Plaster) can be stored for many number
of days.

WATER ADDITION

1.5 Lit/kg

COVERAGE

1.5 to 2.0 brass / 10 kg

PACKAGING

10 kg, 20 kg HDPE laminated bag

STORAGE LIFE

Six months from the date of manufacturing,
stored in cool and dry place.



PROCEDURE

Add Eshan Gold Lime to a bucket or drum containing clean water above the level of lime. Soak for minimum 12 hrs. in water to get a curd like paste (not very thick nor very thin). The paste is to be taken on a steel trowel and applied on fresh plaster after 1-2 hrs of natural drying in a paper thin (1 mm) coat. Do not apply a thick coat on freshly plastered wall or ceiling . The more you soak, the more coverage and better finish will be achieved.

LIME WHITE LIME WASH

Eshan White Lime Wash can be applied by brush, spray to most of the exterior surfaces except common bricks (unless they are completely dry), Gypsum plaster and surfaces previously painted with distemper, emulsion paint etc.



PROCEDURE

All surfaces must be sound and dry, Clean down the surface to remove loose dust or dirt & organic growth by use of stiff brush. Wet the surface thoroughly and allow water to run off. Apply mixed Eshan Gold Cem with good quality brush. The first coat should be well brushed into the surface to form a good bond. The second coat should be applied carefully after proper curing. For difficult surfaces Cement Primer mixed with an equal measure of clean water should be applied before first coat of Eshan White Lime Wash application. Do not apply in wet or frosty weather.

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INDIA'S FIRST ISI MARKED LIME WASH

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MIXING INSTRUCTIONS

To one volume of water in clean container add equal volume of Eshan White Lime Wash. Stir well to get uniform consistency. Nor further dilution is required. Keep stirring during use. Use Eshan Gold Cem within 2 hours of mixing.

CURING

Curing should be done between 6 to 8 hours after application of each coat. Second coat should be applied after the first coat is properly cured & set depending on the climatic conditions. Spray water from bottom to top while curing. Do not use saline water for curing.

COVERING CAPACITY

Covering capacity varies according to porosity & texture of the surface. For normal cement sand rendered surface Eshan White Lime Wash will give a coverage of approximately 2.00 to 3.00 sq.mt. per kg for two coat work.

The use of dark shade is not recommended over large unrelieved area. It is not advisable to use any water proofing area. It is not advisable to use any water proofing chemical as base coat, additive or top coat. Use of lime wash, white cement or any cement paint other than Eshan White Lime Wash as base coat is not recommended. Inter mixing of shades should be avoided.





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