



What are

# industrial minerals?

California is fortunate to have diverse and abundant mineral resources. The industrial minerals found in California include limestone, common clay, bentonite clay, kaolin clay, diatomite, dolomite, gypsum, industrial sand, pumice, talc, borates, soda ash, zeolites, and rare earths. Several of these unique resources – including hectorite clay, borates, diatomite, and rare earth elements – are of importance worldwide.



## What do Industrial Minerals do?

Industrial minerals contain unique properties to create a wide variety of products that...

- Control the flow of paint so that it can stick to walls and ceilings.
- Make smaller and more powerful magnets and batteries for cell phones, wind turbines, and electric and hybrid vehicles.
- Color and strengthen clays for floor and roof tiles, chimney flue pipe, sanitary sewer pipes, pottery, and sculptured terra cotta.
- Enrich our agricultural soils, feed our farm animals, and supply our vitamins with natural minerals; and filter and bottle California fruit juices, oils, beer, and wine.
- Sharpen optics for medical imaging, lasers, temperature sensors, and fiber optics.
- Transition us from incandescent light bulbs to compact fluorescent bulbs and LED lights, saving us all money and energy.
- Reduce harmful gases emitted into the air by carbon burning processes.
- Protect our asphalt roofs from weather and ultraviolet sunlight with durable granules.
- Improve diesel fuel, refine gasoline, drive catalytic converters and anti-lock brakes, and shape our car windshields and upholstery.

- Keep plastic wrap from sticking to itself, remove foot callouses with natural stone, allow cat litter to absorb odors... the list goes on and on!

Literally, the many industrial minerals from California make better what we eat and drink, how we communicate, how healthy we are, and how we live and work, while improving our environment, making life more comfortable, and reducing energy use.

## California Jobs and Business

And, having these minerals in California means local jobs and businesses to process, manufacture, research, and apply these minerals. Strategic location of limestone and dolomite provide fertilizer and food supplements for farms and farm animals in California. Limestone and industrial sands allow wine, fruit, olive oil and other California farm products to be bottled here. Special granules, clays, gypsum, and limestone allow for wallboard, piping, concrete, roofing tiles, and other local building materials to be made here.

California's high tech manufacturing, research, and start-up businesses are fueled by California minerals. Whether improving visibility on smart phones and laptops or creating better medical and dental devices, our minerals are integral to California's innovation and technology leadership.

## CALCIMA

California Construction and Industrial Materials Association

1029 J Street, Ste. 420  
Sacramento, CA 95814  
Phone: 916 554-1000  
Fax: 916 554-1042  
www.calcima.org  
www.distancematters.org