



# PREMIACAL®

IMPROVE YOUR CONCRETE PERFORMANCE



## PRODUCT INFORMATION

Typical Ranges

### Chemistry

75-97%  $\text{CaCO}_3$

3-18%  $\text{MgCO}_3$

Under 5%  $\text{SiO}_2$

### Sizing

4 Mesh down to 7 microns

Product specifications vary by location.  
For the product typicals for a specific  
location, please contact us at:  
[salesinquiries@carmeuse.com](mailto:salesinquiries@carmeuse.com)

Whether you are producing traditional ready-mix, self-consolidating, or an architectural precast concrete, the mix design components affect the quality, workability, and profitability of your project. To safeguard your concrete's reputation, there are many factors to take into consideration when deciding on a mix design:

- Durability
- Strength
- Material Consistency
- Color Consistency
- Finishing Characteristics
- End Product Appearance
- $\text{CO}_2$  Impact
- Material Availability

## OUR SOLUTION

*Premiacal* is an engineered ground calcium carbonate that improves the efficacy of cement. By replacing up to 15% of your cement with *Premiacal*, you will see improved concrete performance while reducing overall costs and environmental impact.

## THE PREMIACAL ADVANTAGE

- **DURABILITY:** Increases packing density and lowers permeability, thus improving long-term durability and corrosion resistance
- **FLOWABILITY:** Improves flow characteristics to reduce pumping pressure, in-line blockages and vibrating effort, allowing you to turn jobs faster
- **CONSISTENCY AND CONTROL:** Engineered particle size and consistent chemical properties reduce the need for costly mix design and admixture adjustments
- **WORKABILITY:** Reduces segregation, surface imperfections and surface bleed
- **FASTER CURING:** Spurs early strength development, accelerating the hydration process and allowing you to remove forms faster
- **UNIFORMITY:** Dependable color and consistency produces a brighter, uniform concrete
- **SAVINGS:** By offsetting a percentage of the Portland cement in mixes, *Premiacal* delivers significant cost and CO<sub>2</sub> savings
- **EXPERT SUPPORT:** Based in Pittsburgh, PA, our Innovation Center provides expert technical support to help you achieve the full benefits of using *Premiacal*.

Carmeuse is your trusted partner from source to solution with our End-2-End Services offering providing raw materials, freight & logistics support, and lime handling systems. Every step of the way, we go above and beyond to make things simple for our customers and we have the expertise to help in whatever you may need from choosing the correct raw material to maintaining your lime system.

PLEASE CONTACT US VIA EMAIL OR PHONE AND WE CAN RECOMMEND A PRODUCT TO BEST MEET YOUR NEEDS.

[salesinquiries@carmeuse.com](mailto:salesinquiries@carmeuse.com)  
**1-866-780-0974**

### CARMEUSE

11 Stanwix Street, 21st Floor  
Pittsburgh, PA 15222  
[www.carmeuse.com](http://www.carmeuse.com)

## PRODUCT LOCATIONS

USA

LONGVIEW OPERATION  
Saginaw, Alabama

PORTAGE OPERATION  
Portage, Indiana

SAVAGE OPERATION  
Savage, Minnesota

LUTTRELL OPERATION  
Luttrell, Tennessee

JAMES RIVER OPERATION  
Buchanan, Virginia

WINCHESTER OPERATION  
Clearbrook, Virginia

MIDDLETOWN OPERATION  
Middletown, Virginia

CANADA

BEACHVILLE OPERATION  
Ingersoll, Ontario

For a full listing of products available at each location:

**VISIT OUR WEBSITE**

All data shown is for illustration purposes only. Actual product specifications can vary based on several different factors. Carmeuse does not warrant or guarantee the accuracy of the above-referenced data, and will not be liable for any loss or damage arising out of the use thereof. The information contained herein is offered for the user's consideration, examination, and determination of suitability.

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