

# DIATOMITE D5

## DIATOMITE D5

**A finely divided, high surface area, particulate mineral powder used as a pozzolanic additive for cement based products**

### PRODUCT OVERVIEW:

'Diatomite D5' is a product utilising diatomaceous earth which is a chalk-like, soft, friable, earthy, very fine-grained, siliceous sedimentary rock, usually light in colour (white if pure, commonly buff to grey in situ, and rarely black). It is very finely porous, very low in density (floating on water at least until saturated), and essentially chemically inert in most liquids and gases. It also has low thermal conductivity and a rather high fusion point.

### USE & APPLICATION:

'Diatomite D5' can be used:

- ✱ As a pozzolanic admixture for Portland cement bound concrete to increase strength, acid resistance and general performance
- ✱ As a filtration aid for food and beverage manufacture
- ✱ In producing refractory products with mild abrasion
- ✱ An absorbent for liquids
- ✱ Swimming pool filtration
- ✱ Absorbent for industrial spills
- ✱ As a filler in a variety of products, from paints to dry materials

### BENEFITS:

Because of 'Diatomite D5's' characteristics, it can:

- ✱ Act as an efficient filter medium due to its high porosity because of its microscopically small coffin-like hollow particles

- ✱ Provides a mild abrasive effect and has been used in toothpaste and metal polishes
- ✱ Provides high absorbent qualities, hence its use in cleaning up toxic liquid spills

### DOSAGE RATES:

'Diatomite D5' is recommended for use with a dosage rate of between 0.1% to 1.0% on binder content depending on the product.

### PACKAGING:

'Diatomite D5' is available in 15kg fully degradable paper sacks.

### STORAGE:

For maximum shelf life, 'Diatomite D5' should be stored in a cool, dry, well-ventilated area. Protect containers/bags from damage. Avoid generation of dust.

### PRECAUTIONS:

'Diatomite D5' powder is a hazardous, substance and is classed as a non-dangerous good, however, it is recommended that the following Personal Protective Equipment (PPE) and precautions are followed when handling and using the product:

- ✱ Wear full overalls, gloves safety goggles
- ✱ Avoid skin and eye contact
- ✱ Avoid inhalation – use a dust mask or NOISH approved respirator if there is a dust potential
- ✱ Always wash hands before eating, drinking, smoking or using the toilet
- ✱ Wash any contaminated clothing or protective equipment prior to storage or reuse