



LayPoz

Pozzolan Powder Light Weight, Reduced Permeability and Heat Insulating Concrete Admixture

PRODUCT DESCRIPTION: LayPoz Pozzolan Powder can make a significant contribution to early-age strength of concrete. One pound of Pozzolan Powder produces about the same amount of heat as a pound of portland cement, and yields about three to five times as much compressive strength.

Addition of Pozzolan Powder decreases the concrete weight and helps reduce permeability, it also provides heat insulating properties.

As a microfiller, the extreme fineness of the Pozzolan Powder allows it to fill the microscopic voids between cement particles. This greatly reduces permeability and improves the paste-to-aggregate bond of the resulting concrete compared to conventional concrete.

USES:

Reduces concrete permeability

Increases concrete strength

Improves resistance to corrosion

Produces lighter concrete

DOSAGE:

5% to 10% by weight of cement but as an addition not replacement.

3% to 7% High durability / Low permeability such as bridge decks or parking structures

10% max Flatwork

The amount required is related to Pozzolan Powder dosage and the water-cementitious materials ratio. Pozzolan Powder is cementitious, but typically is added to and not replacing the existing portland cement.

The higher percentage of Pozzolan Powder used, the higher the amount of super plasticizer needed - but mix can become "sticky". Consider replacing about 1/3 of the super plasticizer with a mid-range water reducer to improve workability

PACKAGING: Packaged in 1ton bags.

APPLICABLE STANDARDS: LayPoz meets or exceeds ASTM standards.

Email: laymaster@laymaster.net

*All material is Copyright Lay Master Inc. and may not be reproduced without written permission
Specifications subject to change without notice.*

Ver. 1/2004