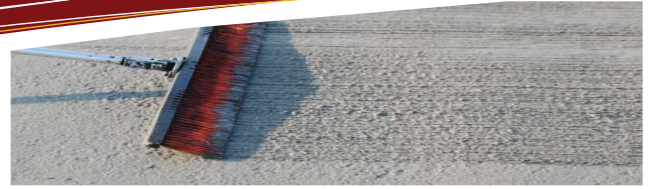




RHEO-SHIELD

OPTIMUM PERFORMANCE
MAXIMUM DURABILITY



Performance

DEVELOPED IN THE LAB AND TESTED IN THE FIELD FOR PERFORMANCE WHERE IT COUNTS

Workability Retention

Rheo-Shield maintains slump significantly longer than standard concrete mixtures. This slump retention is achieved without affecting rate of hardening or early age compressive strength development.

Absorption

Rheo-Shield was developed with an integral admixture blend to drastically reduce absorption and water penetration. The concrete performs comparable to sealed concrete and water will bead on the surface. Rheo-Shield reduces water penetration and increases the long-term durability and service life of the pavement without the need for sealing in 28 days.

Crack Reduction

Rheo-Shield incorporates Buckeye UltraFiber 500® fiber reinforcement to reduce cracking. When tested in accordance with ICC code requirements, UltraFiber 500® in concrete results in 85% fewer cracks than concrete without fiber.

Features & Benefits

CONCRETE SPECIFICALLY DESIGNED TO MEET THE NEEDS OF THE b CONTRACTOR AND THE OWNER

Features

- Superior slump and workability retention without retardation
- Excellent finishing characteristics
- Greatly reduced concrete permeability
- Built in secondary reinforcement to help control shrinkage cracking

Benefits

- Reduced penetration of water and other liquids
- Decreased freeze-thaw damage and increased long-term durability
- Consistency in placement operations
- Increased productivity



Quality

AVR, INC. & AFFILIATES IS COMMITTED TO QUALITY CONTROL

We constantly research and test every aspect of concrete to perfect and improve our overall concrete quality and capabilities. There are hundreds of combinations of cements, concrete admixtures, aggregates and other cementitious materials. We test every cement, aggregate, and admixture that we use in our concrete to be sure they conform to manufacturer's standards and perform as expected.

In our search to find the best materials, we have partnered with BASF Admixtures and Buckeye Fibers to create Rheo-Shield and other proprietary mixes.

Testing

RHEO-SHIELD WAS THOROUGHLY TESTED TO EXCEED ACI GUIDELINES FOR EXTERIOR CONCRETE

All of the materials that enter our plants are tested for quality and consistency to ensure that we deliver on our promise to provide excellent service and an excellent product to you the customer.

With well over 2000 active mix designs, AVR, Inc. takes great strides to meet specific needs of contractors and engineers alike. From performance based mixes to strict specification driven mixes, each mix is evaluated by AVR Quality Control to make certain that criteria are met.

Rheo-Shield Specifications

Compressive Strength	4,500 psi
Slump	4-6 inches
Air Content	6.5% +1.5%
Water/Cement Ratio	0.45
Fiber Reinforcement	1# UltraFiber 500®



AVR, Inc. is a company based on quiet competence, hard work, experience and innovation. Our founder, Mathias Fischer, always believed that a company's most important attribute was the ability to deliver what it promised.

www.avrshield.com