



ProAir-VR

VINSOL RESIN AIR ENTRAINING ADMIXTURE FOR CONCRETE

DESCRIPTION:

ProAir-VR is specially formulated for use as an air entraining admixture for concrete. **ProAir-VR** is manufactured under strict quality control standards to insure uniform performance at the job site.

ADVANTAGES:

ProAir-VR introduces millions of uniformly sized and spaced air voids throughout the concrete mixture. Concrete containing these tiny, air bubbles has been proven far more resistant to freezing and thawing than plain concrete. **ProAir-VR** in hardened concrete reduces permeability and enhances the resistance to surface deterioration caused by de-icing chemicals. Concrete containing **ProAir-VR** requires less water; therefore, bleeding is reduced. **ProAir-VR** aids in finishing and produces a more water tight concrete with a lower water-cement ratio. The air bubbles act as "Ball-Bearings" to greatly improve the plasticity and workability of the concrete, making it easier to flow into forms or be pumped into place. Concrete mixes designed using **ProAir-VR** result in a reduction of segregation and honeycombing with smoother and more even finished surfaces.

DOSAGE:

There is no standard addition rate for **ProAir-VR**. The amount to be used will vary with local materials and intended concrete performance requirements, usually in the range of 4% to 6%. Typical **ProAir-VR** addition rates range from .5 to 2 ounces per 100 pounds (33 to 130 ml per 100kg) of cement.

SPECIFICATIONS:

Conforms to ASTM C260
AASHTO M 154
CRD C 13

TECHNICAL NOTE:

ProAir-VR does not contain calcium chloride or any chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

USES:

ProAir-VR may be used wherever air entrainment is required by concrete specifications. It is particularly useful in:

- * All commercial and residential concrete
- * Mass concrete
- * High cement, low slump paving mixes
- * Mixes with high carbon content fly ash
- * Concrete using high-alkali cement
- * All concrete to be exposed to freezing and thawing conditions
- * Concrete to be mixed for an extended period of time

COMPATIBILITY:

ProAir-VR is fully effective and compatible in concrete containing all types of Portland cement, class C and F fly ash, microsilica, calcium chloride, fibers and approved water-reducing, accelerating and retarding admixtures. **ProAir-VR** can be used in all white, colored, and architectural concrete.