

WRDA[®] PWN

Complex dispersant technology water reducer

Product Description

WRDA[®]PWN is an aqueous solution of polycarboxylate polymers and hydrocarbons. WRDA[®]PWN is a dispersing agent which provides uniform, predictable performance and conforms to AS 1478 Type WR. One litre weighs approximately 1.065kg ± 0.02kg.

Advantages

- Provides water reduction capabilities that enable concrete to be produced at lower water-cement ratio whilst maintaining same slump.
- Enhanced strength performance at all ages of concrete.
- Neutral set performance – allows early formwork removal.
- Formulated with strength enhancement to optimise strengths at all ages
- WRDA[®] PWN is a “clean, sludge-free” water reducer.

Applications

WRDA[®]PWN provides a workable mix with less water resulting in stronger, less permeable and more durable concrete. It can be used in pre-mix, on-site and pre-cast plants for normal and specialty concretes.

Product Advantages

- Enhanced strength performance
- Enables early formwork removal
- Environmentally-friendly

Compatibility with Other Admixtures

WRDA[®]PWN is compatible with all air-entraining concrete admixtures, however the quantity of air entraining agent when added with WRDA[®]PWN to the concrete mix may be reduced by up to 25%.

WRDA[®]PWN can be used in conjunction with ADVA[®] range of high range water reducers, MIRA[®] range of mid-range water reducers and both non-chloride and chloride-based accelerators. Each admixture should be added separately to the mix.

WRDA[®]PWN should not be used with DAREX[®] Super 20, DARACEM[®] or DARACEM[®] 19A.

Dispensing Equipment

Please contact your local GCP representative for further information regarding the dispensing equipment for this product.

Addition Rates

WRDA[®]PWN will provide water reduction with neutral sets at the recommended dose rates. At increased dose rates it can give slight retardation, however this will generally depend on environmental conditions at the time of dosing.

The dose rate for WRDA[®]PWN will typically range between 250 and 500mL / 100kg of total cementitious material.

Packaging

WRDA[®]PWN is available in 205L drums and in bulk.

WRDA[®]PWN is non-flammable, it can freeze at about -2°C but after thawing and agitating will have no adverse effect on the performance of the product.

Health and Safety

See WRDA[®]PWN Material Safety Data Sheet or consult GCP Applied Technologies.

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