

WRDA[®] 22D

Water reducing admixture

Product Description

WRDA[®] 22D is an aqueous solution of highly purified lignosulphonates. WRDA 22D is a dispersing agent which provides uniform, predictable performance and conforms to AS 1478 Type WR. One litre weighs approximately 1.155kg ± 0.02kg.

Applications

WRDA 22D 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. WRDA 22D is ideally suited for lean concrete mixes as well as concrete that uses manufactured sand.

Chemical Action

As a dispersing agent, WRDA 22D lessens the natural inter-particle attraction between cement grains in water. It does this by absorbing itself onto the cement particle reducing their tendency to clump together, resulting in the mix being more workable with less water. WRDA 22D will also assist in producing concrete that will pump better due to the finishability agents that are used.

Addition Rates

WRDA 22D will provide water reduction with near neutral sets at the recommended dose rates. At increased dose rates it can give some retardation, however this will generally depend on environmental conditions at the time of dosing.

The dose rate for WRDA 22D will typically range between 300 and 600mL / 100kg of total cementitious material.

Compatibility with Other Admixtures

WRDA 22D is compatible with all air-entraining concrete admixtures, however the quantity of air entraining agent when added with WRDA 22D may be altered to achieve required air entrainment. Initial lab and field trials are recommended to establish exact dose rates.

WRDA 22D can be used in conjunction with MIRA[®] mid-range water reducers and ADVA[®] range of high range water reducers and both non-chloride and chloride-based accelerators. Each admixture should be added separately to the mix.

Dispensing Equipment

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

Packaging

WRDA 22D is available in 205L drums, 1000L IBCs or in Bulk.

WRDA 22D 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

Read and understand the product label and Safety Data Sheet (SDS). All users should acquaint themselves with this information prior to working with the product and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office.

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