

## WRDA® PN

Normal range water reducing admixture

### DESCRIPTION

WRDA® PN is an aqueous solution of highly purified polycarboxylate and carbohydrates. WRDA® PN is a dispersing agent which provides uniform, predictable performance. As a dispersing agent, WRDA® PN 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® PN is also formulated with set and strength catalysts which promote more complete hydration of cement and Pozzolan materials.

WRDA® PN contains finishability agents that provide enhanced "slickness" to the surface of the concrete. This allows for easier trowelling, resulting in a greatly improved finish to the concrete as compared to what can be achieved using conventional water reducers. WRDA® PN will also assist in producing concrete that will pump better due to the finishability agents that are used. WRDA® PN complies with AS 1478.1-2000, type WR.

### BENEFITS

- Water reduction
- Lower air
- Enhanced strength
- Superior finishability
- Workability
- Durability

### APPLICATION

- SCM concrete
- For all concrete grades
- Pre-mix on-site
- Pre-cast plants
- Lean concrete mixes and concrete using manufactured sand

### INDICATIVE INFORMATION

<b>Product Nature</b>	Liquid
<b>Color</b>	Orange
<b>Lifetime</b>	12 months
<b>Specific gravity (kg)</b>	1,080 ± 0,020
<b>pH</b>	5,50 ± 0,50

### PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

### SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).

### METHOD OF USE

#### Dosage :

The dose rate for WRDA® PN will typically range between 200 and 600 ml / 100 kg of total cementitious material. WRDA® PN will provide water reduction with 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.

#### Equipment :

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

### COMPATIBILITY

- Mid-range water reducers such as Chryso®Mira
- Chryso range of accelerators and retarders
- Air-entraining concrete admixtures
- Water reducers with Chryso®WRDA "P" series
- High range water reducers such as Chryso®Adva
- Not compatible with Darex® Super 20, Daracem or Daracem 19A
- When using admixtures to combination, they should be added separately to the mix

### PRECAUTIONS

WRDA® PN 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.