

# WRDA<sup>®</sup> P20

Mid-Range Concrete Plasticiser

---

## Product Description

WRDA<sup>®</sup>P20 is a high performance liquid concrete plasticiser. It is used to improve the workability of concrete and effect water reductions while producing excellent workability retention characteristic throughout a wide range of cement contents.

WRDA<sup>®</sup>P20 is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product. It is based on high performance modified lignosulphonates combined with naturally derived polymers.

WRDA<sup>®</sup>P20 meets the requirements of Type D of ASTM C-494 and complies with BS EN 934-2.

## Product Advantages

- WRDA<sup>®</sup> P20 improves the workability of concrete and provides improved slump retention even at high ambient temperatures.
- Allows greater time for concrete placement and compaction.
- Effective over a wide range of cement contents
- Improves water tightness, impermeability and durability of concrete.
- Is employed to modify concrete mix designs to achieve cement economies.
- Enhances pumpability, characteristics, reducing bleeding.

## Typical Properties

|                  |  |
|------------------|--|
| Appearance       | dark brown liquid  |
| Specific Gravity | 1.20 at 20°C   |
| Air Entrainment  | Air content of concrete mixes will normally be increased by between 1% and 2%. |
| Chloride Content | Nil  |

## Method of Use

WRDA<sup>®</sup>P20 is supplied ready for use. It should be added to concrete mixes during the mixing process at the same time as the water or the aggregates.

It should not be added directly to the cement. No extension of normal mixing time is necessary.

## Compatibility with Cements

WRDA®P20 can be used with all types of Portland, Pozzolanic and blast furnace cements. It can also be used with fly ash and silica fume.

## Compatibility with other Admixtures

WRDA®P20 should not be premixed under any circumstances with other admixtures. While some admixtures can be usefully combined within the same mix the performance of this product may well be affected by the presence of other chemicals and we recommend that GCP Applied Technologies be contacted for advice in all such circumstances.

## Addition Rates

**Range: 0.16%–0.7% volume by weight of cement**

The performance of WRDA®P20 is best assessed after preliminary tests in the laboratory and/or on site using the actual mix constituents under consideration to determine the optimum dosage and effect on concrete properties such as ultimate compressive strengths gains, setting times, workability retention, etc. when these are of consequence.

As a guide to these trials, a dosage of 160 ml–700 ml WRDA®P20 per 100 kg cement is recommended.

For advice and assistance with your trials, we recommend you consult our technical department.

gcpat.ae | United Arab Emirates customer service: +971 4 5139560

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

WRDA is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

P. O. Box 5006, Office 2104, 21 Floor, The Exchange Tower, Opp. JW Marriott Marquis Hotel, Business Bay, Dubai – United Arab Emirates

This document is only current as of the last updated date stated below and is valid only for use in the UAE. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on [www.gcpat.ae](http://www.gcpat.ae). Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2025-05-15

[gcpat.ae/solutions/products/wrda-p20](http://gcpat.ae/solutions/products/wrda-p20)