

QUAD[®] 815

Product Description

QUAD[®] 815 is a chemical admixture specifically designed and formulated to meet the needs of the concrete producer. Designed to selectively react with clay contaminants in both coarse and fine aggregates, this highly engineered product can eliminate the negative effect of clays in concrete through irreversible chemical reaction. QUAD 815 does not contain TEA and chlorides.

QUAD 815 complies with AS1478 as a Type SN.

Benefits

QUAD technology is based on chemically distinguishing between beneficial fines and clay contamination mitigating the negative impact of the latter. This allows concrete producers to:

- Use clay bearing aggregates (natural and crushed) without compromising on concrete performance
- Significantly increase manufactured sand amount in mix design
- Increase utilization of lower quality / clay contaminated aggregates
- Significantly improve concrete performance through lowering water demand and concrete admixtures demand by blocking clay particles

Properties

- Physical state: Liquid
- Colour: amber
- Specific Gravity: 1.10 ± 0.10
- pH: 7 – 11
- Storage temperature: up to 40°C
- Shelf life: 12 months

Addition Rates

For most clays, addition of 0.5 – 4L/metric ton of clay affected aggregate will effectively eliminate the negative effects of clay contamination.

These levels can vary due to the type of clay (mineralogy) and the level of contamination.

How to Use

QUAD 815 is designed to be used as received. Further dilution is not recommended unless exceptional circumstances exist at a given site.

Please contact your local GCP representative.

Compatibility

Mitigation of clays with QUAD 815 allows water reducers, mid-range water reducers and high range water reducers to maximize their water reducing properties to produce higher strength shotcrete.

QUAD 815 can be used in conjunction with WRDA®, MIRA®, ADVA® ranges of admixtures, retarding and accelerating admixtures, rheology modifiers and rheology control admixtures.

QUAD 815 is compatible with all air-entraining concrete admixtures, however the quantity of air entraining agent when added with QUAD 815 may need to be altered to achieve required air entrainment.

Each admixture should be added separately to the mix. Initial lab and field trials are recommended to establish exact dose rates.

QUAD 815 should not be used with naphthalene based admixtures.

Dosing Equipment

A complete line of accurate, automatic dispensing equipment is available. Please contact your local GCP representative for further information regarding the dispensing equipment for this product.

Packaging

QUAD 815 is available in 1,100kg Intermediate Bulk Containers (IBC) or in bulk tanker trucks. Please contact your local GCP representative if other packaging options are required.

Storage

QUAD 815 should be stored in a shaded area not exposed to direct sunlight. Should area's storage be exposed to freezing temperatures, provisions should be made for insulating and heating in order to prevent freezing, excess viscosity and to aid pumpability.

Health & Safety

Read and understand the product label and Safety Data Sheet (SDS) if handling the product directly. 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.

Technical Services

Field Engineers from GCP Applied Technologies are available to assist in laboratory and plant evaluations of QUAD 815. Please contact your local GCP representative for further assistance.

gcpat.com.au | Australia customer service: 1800 855 525

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.

QUAD, WRDA, MIRA and ADVA are trademarks, 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 2024 GCP Applied Technologies, Inc. All rights reserved.
GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Australia Pty. Ltd., 14 Colebard Street West, Archerfield, Brisbane, Queensland 4108, Australia

This document is only current as of the last updated date stated below and is valid only for use in Australia. 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.com.au. 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.