

QUANTEC[®] PL-421

High-Efficiency Plasticizer for Semi-Dry Concrete, for Enhanced Compaction and Extended Workability

Fields of Application

QUANTEC[®]PL-421 is used for the production of concrete elements from no-slump/semi-dry concrete. Due to the expected influences from traffic and weather, these concretes must show high compressive strength and durability with strong resistance against abrasion, chemical attack as well as frost and deicing salts.

The following advantages can be achieved by using QUANTEC[®]PL-421:

- increased homogeneity of the mix
- improvement in the grade of compaction and therefore increase in density
- reduction of required compaction times and therefore increase in productivity
- increase in green, early and final strengths
- reduction of cement content at equal strength development
- smooth surfaces
- higher resistance against chemical attack
- better resistance against frost and de-icing salt
- reduced tendency to effloresce
- intensification in colors when using pigments
- extended workability of the mix ensures more consistent quality through each batch

Technical Data

Form	liquid
Colour	amber
Density	1,01 ± 0,02 g/cm ³
pH-value	7,5 ± 1.0
Storage	Keep well closed in original containers. Protect from excessive heat and frost. Frozen products can be re-used after thawing and following intensive stirring.
Recommended dosage	0,20–0,40 M.-% of cement
Physiological effect	May irritate skin and eyes; see SDS.
Shelf life	approx. 1 year in closed original containers

Dosage and Use

QUANTEC®PL-421 is added with the gauging water or to the ready mix.

Special Information

Preliminary tests according to official national standards are always required before use!

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.

QUANTEC 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. 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/quantec-pl-421