

SYNCHRO[®] 119P (CR)

Non-Chloride Set Accelerating Admixture

Technical Data

SYNCHRO 119P (CR)	
Effective component	tin(II)-sulphate
Form	powder
Color	grey, grey-brown
Bulk density	approx. 1250 kg/m ³
pH-value	2–5 (10% aqueous solution)
Storage	keep cool and dry in original containers
Recommended dosage	dosage depends on the Cr-VI-content of the used cement
Maximum dosage	9 g/kg CEM
Delivery form	25 kg bag; 1.000 kg-bigbag
Physiological effect	May irritate skin and eyes; see SDS (Safety Data Sheet)
Shelf-life	approx. 1 year in closed original containers

Fields of Application

Continued, unprotected contact of the skin with cement gel, mortar and concrete can cause a chromate eczema. SYNCHRO[®]119P (CR) can therefore be applied in all cases where cement containing products are processed and the exposure of the skin is possible. SYNCHRO 119P (CR) is predominantly used in the production of dry-mixed mortar or concrete.

Properties/Mode of Action

SYNCHRO 119P (CR) is a highly effective chromate reducer in powder form. The agent has good flowing properties, therefore it can be dosed very exactly. SYNCHRO 119P (CR) serves to transform the toxic, water-soluble Chrome VI into the physiologically harmless Chrome III. The dosage of the agent, adjusted to the chromate content of the cement, leads to a concentration of less than 2 ppm as requested in the European Guideline 1999/45/EG.

- The use of SYNCHRO 119P (CR) renders the following benefits:
- Neutral to mix design and temperature resistant up to 300 °C.
- The chrome VI content can be safely reduced under 1 ppm.
- Can be stored up to 12 months without loss of efficiency.
- No brown color effects on the surface of concrete or mortar.
- No hazardous good.

Dosage and Use

SYNCHRO 119 P (CR) is homogenously blended with cements, dry-mixed mortar and concrete or other cementitious products.

Special Information

When using SYNCHRO 119P (CR) the general and usual hygienic guide-lines for working with cementitious products are to be followed by the user. SYNCHRO 119 P (CR) does not contain corrosive components. A certificate can be provided upon request. Preliminary tests according to official national standards are always required before use! Potential changes in the color of SYNCHRO 119P (CR) are due to the inert carrier substance. The effect of the chromate reducer as well as the color of the final product are not influenced.

gcpat.uk | United Kingdom customer service: +44 (0) 1480 478421

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.

Adcor, Bituthene and Hydroduct 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 2017 GCP Applied Technologies Inc. All rights reserved.

This document is only current as of the last updated date stated below and is valid only for use in the United Kingdom. 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.uk. 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: 2025-05-13

gcpat.uk/solutions/products/gcp-functional-additives/synchro-119p-cr