CERAMIC POLYMER
A CHESTERTON INTERNATIONAL SUBSIDIARY

Safe coating systems for drinking water applications:

Absolutely suitable for drinking water! Ceramic-Polymer KTW-1 passed test series according to DVGW-W270 and warm water up to 60 °C (140 °F)

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Ceramic Polymer GmbH constantly works on coating solutions for the ideal corrosion protection in different industries. Our product CERAMIC-POLYMER KTW-1 was especially developed for the sensitive scope of drinking water installations. Recently, the coating was tested by the „Ruhr District Institute of Hygiene" in Gelsenkirchen/Germany in accordance with the German standard DVGW-W270 and for warm water applications (60 °C / 140 °F) subject to the coating guidelines of the Federal Environment Department Germany.

Advantages of CERAMIC-POLYMER KTW-1

- solvent-free, special organo-ceramic® fillers
- tested for warm water (60 °C /140 °F) and DVGW-W270 guidelines
- simple application by airless spraying method
- 1-layer application

To prove the unlimited harmlessness of **CERAMIC-POLYMER KTW-1** we have carried out extensive test series.

Warm water (60 °C / 140 °F)

The inspection for warm water suitability in accordance with the coating guidelines of the Federal Environment Department lasted 2 months. The purity of our coating is reflected in the results of the institute – the test values of the migration test are far below the requested limits!

DVGW-W270

The test concerning the growth of microorganisms on materials for use with drinking water in accordance with the code DVGW-Technical Regulations, Code of Practice W270 (11/2007) took 3 months. The test specimens were examined on slime formation and the growth of microorganisms after a defined schedule. The „biofilm formation" on the coated surfaces remained at all measurements clearly below the limited values.

Therefore, CERAMIC-POLYMER KTW-1 is also qualified in microbiological aspects for drinking water applications up to 60 °C (140 °F).

Execution of the material inspection:

Ruhr District Institute of Hygiene
Hygiene-Institut Umwelt
DE-45879 Gelsenkirchen/Germany

Web: www.hygiene-institut.de

This institute is accredited worldwide according to DIN EN ISO/IEC 17025:2005. Also it is certified as recognized testing laboratory pursuant to DVGW CERT GmbH, which verifies the competence for examination of materials and products in drinking water supplies.

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Our Product:

- CERAMIC-POLYMER KTW1

The specific organo-ceramic® fillers in **CERAMIC-POLYMER KTW-1** are naturally occurring raw materials. They are absolutely metal-free and not synthetically produced or chemically treated. Prior to their use, the particles are purified at a temperature of 1.400°C (2,550 °F). Thereby, we obtain an extremely clean mineral filler.

In composition with a harmless, high functional epoxy resin base, we provide an innovative and entirely nonhazardous coating product for effective corrosion protection of drinking water installations.

CERAMIC-POLYMER KTW-1 is designed

- for the coating of new tanks
- for the repair of tanks
- for equipment and seals of pipelines

Are you searching for a safe coating for the sensitive scope of drinking water?

Our expert team will gladly assist you!