

EUCON™ OCI 109L

MIGRATING, ORGANIC CORROSION INHIBITING ADMIXTURE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in 20L, 200L drums, 1000 L totes.

SHELF LIFE

1 year when stored above 32°F (0°C) in original, unopened packaging.

SPECIFICATION/COMPLIANCES

ASTM C494
ASTM G109
ASTM C1582

TECHNICAL INFORMATION

Appearance: Clearance brownish liquid
pH: 10 - 11

DESCRIPTION

EUCON™ OCI 109L is a concentrated liquid admixture, added during the preparation of concrete to achieve the best protection of the reinforcement steel rebars against corrosion. EUCON™ OCI 109L is not only active in contact with the steel but also migrates through the concrete porosity to reach the reinforcement to inhibit anodic and cathodic corrosion processes. EUCON™ OCI 109L is a high-tech cutting-edge solution to extend the lifetime expectancy of reinforced concrete subjected to aggressive corrosion promoters such as oxygen, humidity, chlorides from de-icing salts or marine environments etc.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Does not change physical or mechanical properties of concrete or cement-based mortars.
- Protect the reinforcement against corrosion with anodic or cathodic functions.
- EUCON™ OCI 109L is highly effective even in presence of chloride salt
- Lower toxicity and environmentally friendly compared to traditional corrosion inhibiting admixtures such as calcium nitrite based.

PRIMARY APPLICATIONS

- All reinforced concrete structures, normal or prestressed.
- Protection wells, refinery systems of Oil and Gas industry.
- Water treatment facilities - boilers, potable water systems, and desalination plants
- Aggressive situations like bridges, viaducts, exposed concrete facades.

PRECAUTIONS/LIMITATIONS

- EUCON™ OCI 109L should be added to the batching water.
- The use of EUCON™ OCI 109L can cause delay of initial setting time. The extent of this delay is dependent on the mix design, temperature and humidity. The combination of EUCON™ OCI 109L with certain superplasticizers can also increase the set delay experienced. Concrete properties are always best determined in a trial using the actual mix components.
- In all cases, consult the Safety Data Sheet before use.
- Preliminary testing is encouraged to ensure concrete performance of all project's concrete ingredients.

DOSAGE

EUCON™ OCI 109L is typically dosed at 0.5 - 1.50 L/m³ of concrete mix, depending on the specific mix design and environmental exposure conditions. For severe or demanding conditions, we recommend contacting your local Euclid Technical Service team to determine the appropriate dosage level tailored to your project requirements.

DIRECTIONS FOR USE

EUCON™ OCI 109L is ideally added to the mixing water at the batching plant during the preparation of ready-mix concrete. Alternatively, it can be introduced directly into the ready-mix truck using portable dosing equipment. Ensure the concrete is thoroughly mixed before placement.

07/25-R0

EUCON OCI 109L

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. Users must contact Stoncor Middle East to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Stoncor Middle East Quality Control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Prices and cost data, if shown, are subject to change without prior notice. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY STONCOR MIDDLE EAST, EXPRESS OR IMPLIED, STATUTORY BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.