

Product Data Sheet

CasTech CIA-800

Nov-2025, Ver. 01.01



Organic Migratory Corrosion Inhibiting Admixture for Steel Reinforcement

DESCRIPTION

CasTech CIA-800 is an organic migratory corrosion inhibiting admixture formulated to inhibit the corrosion of steel reinforcement in concrete. **CasTech CIA-800** provides two levels of corrosion protection – inhibiting and waterproofing.

USES

- General industrial and civil buildings, bridges and other mildly corrosive environments
- Harbour engineering, coastal construction and other severely corrosive environments

ADVANTAGES

Key advantages:

- Extends the service life of reinforced concrete by slowing the ingress of chlorides
- Forms a durable protective film on the reinforcing steel – a second level of protection
- Effective with all cement factors, and in cracked concrete where corrosive elements have direct access to the steel
- Non-chloride: will not initiate or promote corrosion of reinforcing steel, prestressed concrete or concrete placed on galvanised steel floor and roof systems

TYPICAL PROPERTIES

Appearance	Amber liquid
Odour	Amine odour
pH	10.00 ± 1.00
Specific Gravity	1.02 ± 0.03 g/ml
Standards	ASTM G109, ASTM C494, BS 6920

*The above properties are average laboratory values. BS 6920 confirms concrete containing the product is suitable for contact with water.

INSTRUCTIONS FOR USE

CasTech CIA-800 may be added with the concrete batch water. It should not be mixed with any other admixtures prior to being introduced into the concrete mixer. The use of this admixture does not require changes in normal batching procedures.

DOSAGE

General industrial and civil buildings, bridges and other mildly corrosive environments: 0.6 – 1.0 L/m³.

Harbour engineering, coastal construction and other severely corrosive environments: 5 – 8 L/m³.

PRECAUTIONS

Health & Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

STORAGE

24 months when stored in a cool dry environment in factory packed, unopened containers between 5°C and 32°C.

PACKAGING

CasTech CIA-800 is available in 200 L drums, IBC and bulk if required.

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TECHNICAL SUPPORT

CasTech offers a full technical support package to specifiers,

contractors and end users, as well as technical assistance on site and after-sales consultations.

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