

MCI[®] 2006NS GRENADE

Corrosion inhibiting admixture

DESCRIPTION

MCI-2006NS Grenade is a powdered corrosion inhibiting concrete admixture supplied in a convenient, degradable bag for easy dosing of concrete mixes. **MCI-2006NS Grenade** contains migratory corrosion inhibitors to protect reinforcing steel, carbon steel, galvanised steel and other metals embedded in concrete from corrosion induced by carbonation, chloride and atmospheric attack. **MCI 2006NS Grenade** protects by a time proven migratory inhibition mechanism. When incorporated into the concrete mix, **MCI-2006NS Grenade** forms a corrosion inhibiting protective layer on the metals.

RECOMMENDED FOR

- All reinforced, precast, prestressed, post tensioned or marine concrete structures.
- Steel-reinforced concrete bridges, highways and streets exposed to corrosive environments.
- Parking decks, ramps and garages.
- All reinforced marine concrete structures.
- Concrete piers, piles, pillars, pipe and utility poles.
- Restoration and repair of all reinforced concrete, commercial and civil engineered structures

FEATURES AND BENEFITS

MCI-2006NS Grenade offers engineers, owners, contractors, and government authorities a time proven corrosion inhibiting technology that will extend the life of all reinforced concrete structures.

- Protects against the harmful effects of corrosion even in the densest concrete.
- Required dosage is not affected by the chloride concentration.
- Does not contain any calcium nitrite.
- Non-hazardous and non-toxic.
- Safe and environmentally friendly.
- Technology is lab and field tested worldwide.
- Concentrated for cost effectiveness on all projects.
- Protects both anodic and cathodic areas.
- Will migrate to adjacent areas to protect surrounding metals.

PROPERTIES

Appearance: White to off white powder

Shelf Life: 12 months in a sealed container

pH: 11.5 - 12 (1% solution)

APPLICATION

MCI-2006NS Grenade can be added to concrete at the premix plant, directly to the premix truck drum or to portable mixers. Concrete should be mixed thoroughly.

The plastic and hardened properties of concrete are not significantly effected by **MCI-2006NS Grenade** – very slight retardation may be experienced; tests have shown **MCI-2006NS Grenade** to improve compressive strength at 7 and 28 days.

ESTIMATING DATA

MCI-2006NS Grenade is recommended for use in concrete at a dosage rate of 0.65kg per m³.

PACKAGING

MCI-2006NS Grenade is available in 0.65kg degradable bags. This results in easy dosing – 1 x bag per m³.

SHELF LIFE

MCI-2006NS Grenade has a shelf life of approximately 12 months if stored in a sealed container. **MCI-2006NS Grenade** should be stored in a cool, dry environment out of direct sunlight.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF **Material Safety Data Sheet (MSDS)** from our office or our website.



The Chemical Company

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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