



MULTIPLAST® RePROTEKT

Concrete Admixture for Corrosion Protection based on Bipolar Migrating Corrosion Inhibitor Technology (BMCIT)

Product Code No.M-0151

PRODUCT DESCRIPTION:

MULTIPLAST RePROTEKT is a special category of liquid concrete admixture that utilizes migrating corrosion inhibitor technology. It protects steel reinforcement, carbon steel or other metal steel imbedded in the concrete. Corrosion induced by carbonation, chloride penetration, and any other means can be prevented using **RePROTEKT** admixture. When used in the concrete mix **RePROTEKT** defuses to the surface of reinforcement and forms protective layer thus preventing corrosion.

BENEFITS:

- A proven corrosion protection technology which will enhance the life of civil structures.
- Protects against harmful effect of corrosion in all grades of concrete.
- Dosage is independent of Chloride concentration.
- Organic hence safe and environment friendly formulation
- Protects both anodic and cathodic area hence used as bipolar corrosion with migration properties.

DOSAGE:

2 TO 3 Kg/m³ of concrete mix

USES:

1. All reinforced, precast, prestressed and post tensioned or marine concrete structures.
2. Reinforce bridges, highways and other reinforced concrete structures.
3. All reinforced marine structures.
4. Parking decks, ramps and garages.
5. Repair and restoration of all reinforced concrete structures
6. Concrete piers, piles, pillars and utility pipes



MULTICHEM GROUP | 1, Kirtida Bungalow, Nahur Stn. Road, Bhandup (E), Mumbai-400042,

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www.multichemgroup.net

Multiplast RePROTEKT /R-2016



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TYPICAL PROPERTIES:

Physical State	Clear Liquid
Corrosion Rate, after 9 test cycle (ASTM G 109-2005)	0 Coulombs
Corrosion Rate, after 45 test cycle (ASTM G 109-2005)	<2000 Coulombs
Chloride Content (IS-456 and BS-5075)	Nil
Air Entrainment	< 1%
Normal Dosage, per metre cube concrete	2-3 Kg
Sp. Gravity	0.9-1.1

PACKING:

5, 20, 50, 100, 200 Kg carboy/drum.

STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °c.

SHELF LIFE:

Minimum two years if stored below 30 °C in original container and stored under shade.

WARRANTY

Multichem warrants **MULTIPLAST** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the addition of **MULTIPLAST**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor



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authorizes any person to assume for Multichem any liability in connection with the sale and installation of MULTIPLAST.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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