

# Protekta GL-5 (M)

**A concrete waterproofing admixture and superplasticizer**

## DESCRIPTION

Protekta GL-5(M) is a concrete/mortar admixture. Formulated to have combined silane and polycarboxylate properties to provide required workability and waterproofing of concrete. By reducing the w/c ratio it allows for denser concrete. Admixture to increase workability and make waterproof freshly made concrete and mortar.

## USES

Can be used for RMC, manufacture of low slump cement/concrete blocks, concrete pavers & precast cement products.

## ADVANTAGES

- High workability without segregation, requires less vibration
- Reduces the w/c ratio
- Marginally increases the compressive strength
- Reduces water absorption over 80% in treated concrete/mortar/plaster
- Creates hydrophobic chloride & carbon dioxide resistant substrate
- Improves surface finish during self-leveling
- Non-flammable, non corrosive and non-hazardous

## APPLICATION

1. The surface should be clean and free from dust, loose particles, oil and grease.
2. A patch test should be performed on the surface, prior to treatment.
3. Protekta GL-5(M) is supplied as a liquid, designed to be a part of the water content of the concrete mix.
4. Mix the dry concrete components.

5. Take the required volume of Protekta GL-5(M), based on suggested dosage (below). Shake Protekta GL-5(M) well and mix with dry concrete components.
6. Add water according to mix design to attain the desired consistency.

## TECHNICAL DATA

Appearance	: Light yellowish brown
pH Value	: 7-10
Specific Gravity	: 1.05 gm/cm <sup>3</sup>
Mix design	: M-40
W/C	: 0.37

## DOSAGE

0.6% of cement us mixed with concrete mix design and after thorough mixing the concrete is laid.

## PACKING

20L, 50L, 200L (Other sizes available upon request)

## SHELF LIFE:

Six month in a closed container. Should be used before the use-by-date printed on the container. However if the product is past its use-by-date it is not necessarily unusable. A quality control test should be performed on the properties relevant to the application or the manufacturer contacted for further advice. Product older than one year should be discarded.

## STORAGE:

Once opened, remaining material should be sealed and stored in a cool, dry place. Care should be taken to always keep product away from direct sunlight or extreme heat.

## HEALTH & SAFETY

Non-hazardous, non-toxic, non-flammable

**IMPORTANT NOTE :** Protecta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

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