



GROUND PRO General Purpose Cement (Bag)

25kg

Product Code: **LM00905**

Pallet Quantity: **56**

Quality assured Portland Limestone cement manufactured to comply with the requirements of EN 197-1 achieving strength class 42.5N.

Produced using carefully selected raw materials and strict quality control throughout each stage of the manufacturing process to ensure a consistent final product is achieved.

KEY FEATURES

- 25kg Bag
- Consistent strength and performance
- Just add water, making the product easy to prepare and use
- A versatile general purpose cement suitable for most applications
- Compatible with a wide range of admixtures
- Supplied in plastic packaging
- Suitable for outside storage
- Priced per pallet of 56

MIX DESIGN

Mix designs need to be adapted to suit individual applications. It is recommended that trial mixes are carried out prior to commencement of work to ensure that the mix design and material combinations meet the requirements of the specification and method of use. Reference should be made to the following documents:

- BS 8500 which provides guidance for different types and classes of cement
- BS EN 998: Specification for mortar for masonry. Rendering and plastering mortar
- BS EN 13914: Design, preparation and application of external rendering and internal plastering. Below is a guide to typical mixes for concrete and mortar applications.

GENERAL PURPOSE CONCRETE	PROPORTION BY VOLUME
Cement	1
Combined Sand and Coarse Aggregate (Ballast)	4

GENERAL PURPOSE CONCRETE	PROPORTION BY VOLUME
Cement	1
Concrete sand	2
4/20mm Aggregate	3

MORTAR DESIGNATION	PROPORTION BY VOLUME CEMENTS: BUILDING SAND	MORTAR CLASS THAT MAY BE ASSUMED	SUITABLE FOR USE IN ENVIRONMENTAL CONDITIONS
(i)	1:3	M12	Severe (S)
(ii)	1:3 to 1:4	M6	Severe (S)
(iii)	1:5 to 1:6	M4	Moderate (M)
(iv)	1:7 to 1:8	M2	Passive (P)



APPLICATIONS

General Purpose Cement is commonly used cement for a wide range of applications. These applications cover but are not limited to general purpose concrete, mortar, render and screeds.

QUALITY

General Purpose Cement is CE Marked in accordance with the Constructions Products Regulation 305/2011/ EU.

COMPATABILITY

General Purpose Cement is suitable for use with a wide range of additives and admixtures to extend the properties and uses of concretes, mortars, renders and screeds. It is recommended that trial mixes are carried out to determine optimum proportions.

STORAGE

Bags should be stored unopened, clear of the ground, in cool dry conditions and protected from excessive draft and all sources of moisture.

GUIDANCE FOR USE

- Methods to prevent loss of moisture from exposed surfaces of concrete, known as curing, should be employed for at least the first 7 days after casting
- As a general rule, concrete should be placed within the range of 10°C to 30°C
- In cold weather, freshly poured concrete/mortar should be protected from low temperatures to avoid frost damage
- In hot weather and mass concrete pours, there is increased risk of loss of water by evaporation and cracking caused by thermal stresses which could reduce ultimate strength. As a consequence, protecting it is even more important to prevent moisture loss during curing
- GROUND PRO Packed Products cannot be held responsible for poor workmanship
- GROUND PRO General Purpose Cement is made from natural materials. As a consequence, slight variations in colour may occur
- GROUND PRO General Purpose Cement produced at different manufacturing works may also have variations in colour
- To avoid premature deterioration of Whitestar General Purpose Cement please follow the correct storage requirements given

COMPATABILITY

Cement causes skin, eye and respiratory irritation, severe burns and dermatitis. Always wear suitable personal protective equipment (PPE) and refer to the full Material Safety Data Sheet for further information.