

TI BÉTON

TI BÉTON is a concrete defined for small construction works. It consists of a 25kg bag of mortar and a bag of 20Kg of aggregates which to the mixture gives 20litres of Grade 25 concrete.



USES

- ▶ Application for Columns and block wall.
- ▶ Light foundations, stair steps and window sills.

TI BÉTON is a multi-purpose Grade 25 concrete that offers the following benefits:

- ▶ Constant quality of concrete since the production is controlled.
- ▶ Reduces waste on construction sites by eliminating the supply of cement, aggregates and mostly loose sand on construction sites, mainly when small amounts of concrete are needed.
- ▶ Keeps the worksite environment clean.
- ▶ Provides better cost control.

CONSTITUENTS

- ▶ Portland cements 42.5N - CEM 1 according to EN 197 standards.
- ▶ Basaltic sand graded up to 2 mm.
- ▶ Aggregates with a maximum dimension of 14 mm.
- ▶ Additives with good workability and resistance to compression.

CHARACTERISTICS / ADVANTAGES

- ▶ Pre-packed mortar.
- ▶ Easy mixing and application.
- ▶ Minimum application thickness 50mm.
- ▶ Excellent mechanical properties.

TESTS / STANDARDS

- ▶ Quality control tests were carried out in accordance with BS 5328 and EN 206 standards.
- ▶ Drymix Ltd is ISO 9001 certified and we have developed a factory production control system to ensure the quality of our raw materials as well as our semi-finished products and products.

TECHNICAL DATA

PRODUCT AND APPLICATION DATA

Appearance	Grey Pouder
Packaging	25Kg bag
Storage Conditions	Bags should be stored dry off the ground and protected from the weather
Maximum grain aggregate	14mm
Maximum grain basaltic sand	2mm
Water Demand	5.0 L per bag 25Kg
Application Temperature	Between 5°C and 35°C
Fresh Density	2,200-2,300 kg/m ³
Minimum Thickness	50mm

PERFORMANCE DATA

Compressive Strength 7 days (MPa)	≥ 18 MPa
Compression Strength 28 days (MPa)	≥ 25 MPa
Chloride Ion Content (%)	0.02 %
Capillarity Absorption [kg/m ² .√h]	< 0.5
Water vapour permeability	μ 15/35 (valeur tabulée)
Thermal Conductivity	(λ10, sec) 1.28 W/ (m.K) (valeur tabulée)
Fire Resistance	Classe A1

SURFACE PREPARATION ON THE EVE

- ▶ Remove all dust and impurities by dry brushing before washing the surface.
- ▶ Prepare the surface according to the work to be undertaken.
ex. (Draw a horizontal line as a level reference to determine the required thickness).

APPLICATION

- ▶ Pour clean water into a wheelbarrow or cement mixer. (Dosage of water required 25Kg TI BÉTON + 20kgs of Macadam 10/14 + 4.5 - 5.0 L of clean water).
- ▶ Add a 25kg bag of TI BÉTON, followed by a 20kg bag of 10/14 Macadam.
- ▶ Mix for several minutes until a homogeneous mixture is obtained.
- ▶ Let the mixture stand for 2-3 minutes.
- ▶ Manually apply TI BÉTON on the surface.
- ▶ Use aluminium rule to level the surface.
- ▶ Allow the TI BÉTON to dry for 24 hours.

PRECAUTIONS

- ▶ Do not apply to temperatures <5°C and > 35°C.
- ▶ Avoid applications in rainy periods or on media dripping with water.
- ▶ Always observe the recommended amount of water for mixing.
- ▶ Protect surfaces from wind and direct sunlight from rapid desiccation which increases the risk of cracking.

CURING

It is essential to cure the render immediately after application for a minimum of 14 days to ensure full cement hydration and to minimize cracking. (Avoid performing high vibration work during this period).

HEALTH & SAFETY NOTES

As with all cement based products:

- ▶ Wearing of gloves, goggles are highly recommended during application
- ▶ Avoid contact with the eyes & skin
- ▶ In case of contact with skin or the eyes, wash abundantly with clean water
- ▶ In case irritation persists, consult a doctor immediately.

For more information and advice on handling, storage and use of this product, it is recommended refer to the latest version of the Material Safety Data Sheet which contains physical, ecological, toxicological and user safety data.

NOTES

The information, and, in particular, the recommendations relating to the application and end-use of DRYMIX products, are given in good faith based on DRYMIX's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with DRYMIX's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.