

TRANSCOL BC37 BETÃO ESTRUTURAL

Structural dry concrete for work in current constructions with compressive strength class C30/37 N/mm²

COLOR
Grey

PACKAGING
25kg bag

USE
Exterior/ Interior

COVERAGE
14 to 16 kg/m²/cm

1. PURPOSE

Structural, pre-dosed dry concrete formulated to provide a rheologically harmonized paste for easy application and improved compressive strength. It has the advantage of being able to be applied in small areas or on construction sites without access to a concrete mixer.

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	2000 ± 200 Kg /m ³
Volumic mass (paste)	2300 ± 230 Kg /m ³
Compressive Strength (28 days)	≥ 37 N/mm ²
Maximum aggregate size	≤ 6 mm
A/E Ratio	≤ 0.55
Environmental exposure classes	XC1, XC2, XC3, XC4, XF1, XF2
Water-soluble chlorides	≤ 0.1 %
Reaction to Fire	Class A1

Results obtained according to EN 206-1 under controlled conditions

3. COMPOSITION

Hydraulic binders, calcium carbonate, washed siliceous sands, inorganic additives and admixtures.

4. SUBSTRATE

It is suitable for filling floors, walls, execution of prefabricated parts or in situ concreting of structural elements.

The substrate must be clean, free of dust, grease and oils.

5. PREPARATION

Mix the contents of the 25Kg bag with 2.30 litres of clean water, until you get a homogeneous dough, without lumps.

The mixture should be carried out using a mixer / concrete mixer.

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Once mixed, the mortar should be applied immediately, and no more water should be added after kneading.

6. APPLICATION

Apply Transcol Structural Concrete BC37 continuously, in a single uniform layer. It must be applied at the level of the layer to be applied with thicknesses that allow the complete filling of the reinforcements, ensuring their total filling.

Transcol Structural Concrete BC37 has a curing time of 28 days.

7. SAFETY

It is recommended to use a dust mask to protect the respirable crystalline silica, goggles and gloves when handling the product. If there is contact with eyes, rinse thoroughly with clean water. Do not ingest. Refer to the Product Safety Data Sheet.

8. USEFUL ADVICE

- ◆ Application temperature from 5°C to 30°C;
- ◆ Excess water in the preparation alters the physical characteristics of the product;
- ◆ Never add any other type of product;
- ◆ Never use acid or excess water to clean concrete waste;
- ◆ Do not apply in rain, very humid environment or strong wind;
- ◆ Do not apply on icy surfaces or those at risk of frost within 24 hours of applying the product.

9. STORAGE

Store in a dry and ventilated place, on the pallet and in the original closed and protected packages, for 180 days from the date of manufacture.