Betomur

Multifunctional concrete C20/25 according to NF EN 206/CN

SECO

Field of Application

Betomur can be used for :
- reinforced and unreinforced concrete constructions,
- pouring lintels, posts, bases, screeds, etc,
- pouring foundations, structural decks, etc. inside and outside,
- to fixate traffic signs, fences, etc.

Composition

Betomur is a homogeneous mixture of binding agents, sand and additives to improve the characteristics of the concrete :
- Binding agents : Portland cement in accordance with NF 197-1.
- Granulates : sieved and recomposed river sand 0/8 in accordance with NF EN 13139, NF EN 12620+A1 and NF P18-545.
- Additives : specific additives to improve the workability, the stability and the pumpability of the concrete.

Characteristics

Betomur concrete is a dry, pre-mixed micro-concrete mortar appropriate for all types of small concrete works.
- Ready to mix
- Easy to apply
- Multifunctional
- Can be used inside and outside

Preparation substrate

During repair work, the substrate must be clean, dust-free and completely free of oil, grease or any other residues that could affect adhesion.
Moisten the surface well with water without saturation or use an adhesive primer such as Cera'grip HB on the cementitious substrate. Then apply Betomur wet-in-wet.
Smooth surfaces should be mechanically roughened.
Never work on frozen, thawing surfaces or in case of risk of frost within 24 hours.

Preparation mixture

Mix Betomur with approx. 11% clean water (about 2,75 L per bag of 25 kg or about 1 L per 10 kg bag).
Preferably mix mechanically (at least 3 minutes), to the desired consistency.
The mix should be homogeneous and free of lumps.
Open time of the fresh mixed concrete is ± 2 hours (at a temperature of 20 °C).
Concrete that has started to harden should not be remixed or reused.

In case of application by means of the Cantillana Silomix system, we refer to the application guide. It is available on request.

Application

When pouring foundations, pour the concrete on a plastic film.
After pouring compact Betomur by vibration, ramming or punching.
When applying the concrete and the hardening process, the ambient temperature and that of the substrate must be between +5 °C and +30 °C.
After implementation, immediately clean all tools with water. Hardened concrete can only be removed mechanically.

Cantillana NV/SA · Kortrijksesteenweg 1084 - bus 03.03, 9051 Sint-Denijs-Westrem (Gent) · Tel. +32 (0)9 280 77 80
Cantillana SAS · Route d'Argenteuil 97 95240 Cormeilles-en-Parisis · Tel. +33 (0)1 39 78 31 55
Cantillana BV · Munnikenlandse Maaskade 2a, 5307 Poederoijen · Tel. +31 (0) 183 44 78 00

Betomur

Multifunctional concrete C20/25 according to NF EN 206/CN

Post-Treatment

Protect the concrete surface from drafts and desiccation using an appropriate post-treatment method (by covering it with a plastic film or a wet hessian, by humidification or with a curing product, etc.). Warning : some curing products can negatively influence the adhesion of any posterior topcoats.
Protect the work against cold, heavy rains, wind and temperatures above +30 °C.

Consumption

Yield :
- ± 525 L of concrete per ton dry concrete,
- ± 13 L of concrete per 25 kg dry concrete,
- ± 5 L of concrete per 10 kg dry concrete.

Technical data

Strength class	C20/25 in accordance with NF EN 206/CN
Compressive strength after 28 days	≥ 25 N/mm²
Grain size	0/8 mm
Water requirement	± 11%
Consistency of wet concrete	S3 / F3
Exposure classes	XC0, XC2 in accordance with NF EN 206/CN
Yield	± 525 L/ton
Density hardened concrete	± 2100 kg/m³

Packaging

Betomur is packed :
- in 10 kg plastic bags (2 x 10 bags a box, 540 kg / shrink-wrapped pallet,
- in 25 kg plastic bags on shrink-wrapped Euro pallets of 1200 kg,
- in 1200 kg bigbags,
- in bulk (silo).

Shelf-life in the original, unopened and undamaged packaging, if dry-stored, is 12 months.

Remarks

The preparation of the substrate and the application of the product must be carried out in the rules of the art and respect the Technical Information Notes of the CSTC/CSTB and the technical datasheet.

The technical characteristics mentioned are determined by tests according to the applicable standards and storage conditions.

Classification

Betomur is a concrete with strength class C20/25 according to NF EN 206/CN.
Betomur is controlled by SECO.

Security impacts

For more information and other tips for the safe handling, storage and disposal of chemicals, see the most recent safety data sheet. It contains information on physical, ecological, toxicological and other safety.