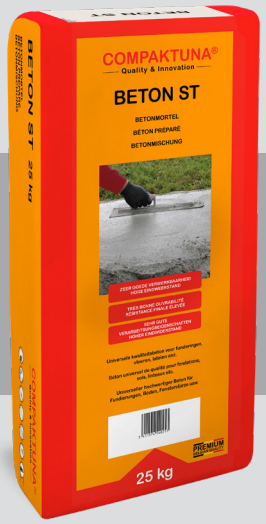
COMPAKTUNA®

BETON ST

Ready-to-use concrete mortar





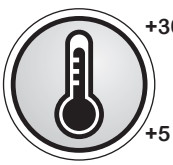












CHARACTERISTICS

BETON ST is a dry, ready-to-use concrete mix suitable for applications both indoors and outdoors.

BETON ST consists of cement, selected quartz sands, gravel, and high-quality aggregates. By simply adding water, you obtain a concrete with high final strength, excellent workability, and exceptional flowability.

BETON ST is used for pouring reinforced and unreinforced concrete structures, floors, foundations, lintels, pedestals, tiles, decorative elements, and for floor repairs.

Technical characteristics		Measured values in MPa (N/mm²)
Compressive strength	after 7 days after 28 days	ca. 33 ca. 34
Flexural strength	after 7 days after 28 days	ca. 5 ca. 6
Strength class according to exposure class	NBN B15-001 E0, E1, EE1	C 30/37 1 en 2

Mixing ratio	Consumption	Packaging
±2.5 L to 3 L of water per 25 kg bag (±10 to 12% water)	1 bag yields ±12 L of concrete mix	25 kg PE
Colour	**Processing time**	**Compressive strength**
Grey	±2 hours	after 28 days: ±34 N/mm²

BETON ST

DIRECTIONS FOR USE



1. Substrate

Work is always carried out on a rough, clean, sound, dust- and oil-free substrate, free from loose particles. Absorbent surfaces should be dampened and pretreated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. When pouring floors, foundations, pedestals, etc., pour BETON ST onto a plastic sheet.



2. Application

Bonding layer

When BETON ST is poured onto an existing concrete surface or for floor repairs, it is recommended to apply a bonding layer. This bonding layer consists of 1 part by volume of COMPAKTUNA® (PRO) and 2 parts by volume of water. This COMPAKTUNA® (PRO)/water solution is added to a dry mixture of half cement and half river sand until a plastic paste is obtained. Pour the BETON ST onto the wet bonding layer.

Concrete

BETON ST is mixed with approximately 10% to 12% water, i.e., ±2.5 L to 3 L of water per 25 kg product. For each 25 kg bag, pour the required amount of water into a mortar tub or concrete mixer and slowly and evenly add the dry concrete mix. Mix intensively for 5 minutes until a lump-free, homogeneous mass is obtained. Let the concrete rest for 2 minutes, then stir it again intensively. During or immediately after pouring, compact the BETON ST by vibration, using a vibration needle or a sturdy stick. Level the concrete with a screed to the desired thickness. When the concrete has set, you can smooth it by making circular motions with a plastic trowel (float). If desired, finish the surface with a plastering trowel.



REMARKS

- The processing temperature is between +5 °C and +30 °C (applicable to both the substrate and the environment).
- Protect the drying concrete from frost, precipitation, strong winds, and direct sunlight. During curing, protect BETON ST from drying out by covering it with plastic sheeting, curing compound, or by regularly moistening with water.
- The processing time of BETON ST: up to 2 hours after mixing.
- For certain applications, to achieve a perfect final result, it is necessary to provide formwork and reinforcement in the preparation.
- Expansion joints in the substrate must be continued into the concrete.
- According to NBN B 15-001, BETON ST complies with strength class C30/37 and exposure classes E0, EI, and EE1.



PACKAGING

BETON ST is available in grey color in polyethylene bags of 25 kg. The shelf life is 12 months in the original, unopened packaging and stored in a dry place.





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As the applications of our products are diverse, no single application guideline can be laid down. All product data reflect the state of knowledge of our products at the time of publication. Therefore all suggestions and recommendations concerning the use of our products are merely illustrative. Apply the product on a small and insignifi cant spot before starting to use our products to be sure the desired result is obtained. Always ask for the technical sheet of our products. Visit the website www.compaktuna.be. Consult our “technical department” which can be reached for free on the green number 0800/92279. The Dutch text shall be exclusively binding.
Version 10/02/2014. **COMPAKTUNA BV is EN ISO 9001 certified.**

COMPAKTUNA®
Quality & Innovation

A MEMBER OF HOLCIM GROUP

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