
KBC
KBC
KWIKBUILD
CEMENT
Siyakha Nawe

KWIKBUILD CEMENT

32,5

Kwikbuild Cement 32,5N *complies with the international standard SANS 50197-1:2013.*

CHARACTERISTICS

Kwikbuild Cement 32,5N is a SABS approved general purpose cement that can be used in a wide variety of applications from domestic concrete usage and plastering applications to large building operations.

Cements blended with Fly Ash and Slagment have been proven to continue to gain strength indefinitely for years, far more so than any other cement, and are also less susceptible to the effects of poor curing.

COMPOSITION

Kwikbuild Cement 32,5N is a composite blend of Ordinary Portland Cement (OPC), Ground-Granulated Blast-Furnace Slag (GGBFS) and SABS approved Fly Ash (FA).

COMPRESSIVE STRENGTH

STRENGTH CLASS	COMPRESSIVE STRENGTH MPA			
	EARLY STRENGTH		STANDARD STRENGTH	
	2 DAYS	7 DAYS	28 DAYS	
32,5N	-	≥ 16,0	≥ 32,5	≤ 52,5
32,5R	≥ 10,0	-		
42,5N	≥ 10,0	-	≥ 42,5	≤ 62,5
42,5R	≥ 20,0	-		
52,5N	≥ 20,0	-	≥ 52,5	-
52,5R	≥ 30,0	-		

REQUIREMENTS OF SANS 50197-1:2013

APPLICATIONS

Kwikbuild Cement 32,5N is capable of producing cost-effective concrete, mortar and plaster for a variety of building applications such as:

HIGH STRENGTH CONCRETE
Pillars, Slabs & Water Retaining Structures

MEDIUM STRENGTH CONCRETE
Floors, Driveways & Mass Concrete

LOW STRENGTH CONCRETE
Foundations & Paths

MASONRY WORK
Mortar & Plaster

PAVING

MIXING RECOMMENDATIONS

2X 50KG OF CEMENT = 1X BUILDERS W/BARROW BY VOLUME

CONCRETE STRENGTH	CEMENT BAGS 32,5N	COARSE SAND	STONE	TYPICAL USES
LOW	50 Kg 50 Kg	3,5	3,5	Footings Foundations
MED	50 Kg 50 Kg	2,5	2,5	Driveways, Footpaths General Uses
HIGH	50 Kg 50 Kg	2	2	Heavy Duty Floors Water Tight Concrete General Application

	CEMENT BAGS 32,5N	BUILDING SAND
MORTAR	50 Kg 50 Kg	6

	CEMENT BAGS 32,5N	BUILDING SAND
PLASTER	50 Kg 50 Kg	6

ENVIRONMENTAL & PERFORMACE ATTRIBUTES

Kwikbuild Cement uses FA and GGBS as extenders, which decreases the amount of OPC needed and consequently the amount of Co2 being emitted in the production of cement clinker. The manufacture of normal cement (CEM I of EN 197) results in the emission of 985 kg of Co2/t of cement (British Cement Association, 2009).

GGBS manufacture typically releases 35kg of Co2/t of GGBS : less than 4% of the carbon footprint of normal cement and the consumption of FA is equally Eco-friendly due to it being a waste product.

Cement blends containing FA and GGBFS have certain advantages over OPC used in concrete:

- Improve the impermeability and durability of the hardened concrete.
- Improve the properties of concrete in the fresh state (workability, compaction and better finish).
- Improve the strength of hardened concrete.
- Improve the resistance of the concrete to Sulphate attack (due to the lower content of alumina, compared with OPC, which causes the main reaction with Sulphate).
- Improve the resistance of the concrete to Chloride attack (due to the slower process of migration of the chloride ions compared with OPC).

Moffet Offloads

For customers who do not have forklifts, Kwikbuild Cement can supply transport with mounted moffets for convenient offloading.

SANAS ACCREDITED LABORATORY

At the foundation of the success of **Kwikbuild Cement** is the fact that we have always endeavoured to produce products of the highest quality and we are 100% committed to never compromise on the integrity of our brand. As part of this process, we have setup a SANAS accredited building materials testing laboratory at our Silverton production facility, which now gives us far greater control over the quality of our products and the ability to take far greater proactive steps to ensure all our products meet with industry standards.

Pure cements have various chemical properties that can be significantly enhanced when used with various extenders and the many additives available can do much to improve cement performance. Depending on the type of application, weather conditions and the quality of the other building materials used on site, not all cement's perform equally. With our own state of the art testing facility, we are able to continuously monitor the performance of our products in compliance with SANS 50197-1 :2013 and can assist our customers in testing their various sand types if required.