

SPECIALISED TOUGHNESS

STRUCTURALLY TESTED



CONSTRUCTION



CIVILS



MANUFACTURE

TOUGH

★★★★★

TESTED

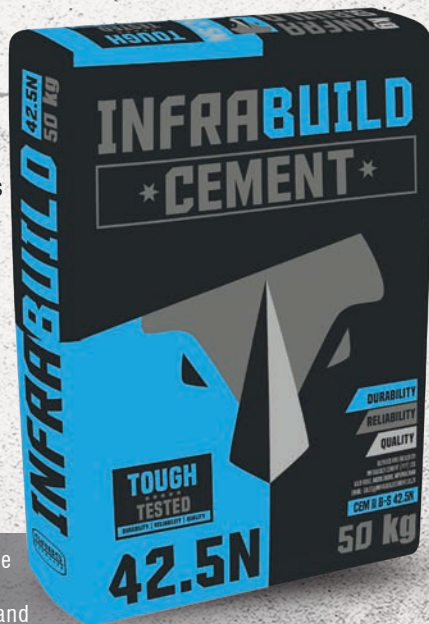
INFRABUILD 42.5N is a specified cement, for applications including those requiring high strength gain in the first days of curing, particularly the brick-making, casting of slabs, foundations and other reinforced concrete and road stabilisation applications.

CEM II B-S Portland Slag Cement meets the requirements of SANS 50197, blended with quality raw materials for solid, long-lasting results.

INFRABUILD 42.5N can produce concrete from 15Mpa to 35Mpa when mixed in the correct proportions and can be used in a wide range of applications. Higher strength can be achieved by consulting a certified lab for the correct mix proportions.

INFRABUILD 42.5N is available in 50kg bags and in bulk.

Suitable for the manufacture of concrete products • Suitable for ready-mix concrete, site-batched concrete, mortar and screeds • Improved curing time • Reduced water demand and simplifies flowing & pumping • Improved surface finish



★ TIPS TO GUIDE YOU ★



WATER

Use clean, drinkable water. Gradually add water until the mix becomes workable. Too much water will reduce the strength of your mix.



SAND

Use uncontaminated, high grade, quality plaster or river sand. (SANS 1083:2014)



STONE

Use the correct size, high grade, uncontaminated, quality aggregate fit for your application. (SANS 1083:2014)

STORAGE AND PROTECTION: Keep the cement in a dry place. Protect bags from any moisture. Place cement on a raised wooden platform or plastic sheeting to prevent rising damp. Cement, if stored correctly, has a shelf-life of approx. 3 months. Cement is a hazardous product and protective gear such as dust masks, safety goggles and gloves must be used when handling.

★ BEST WAY TO MIX ★

1. Always use a suitable container or scale to measure all materials. The same container should be used for component materials.
2. Always mix until the colour and consistency is uniform.
3. When using a concrete mixer first load the stone, then the cement, then the sand. Slowly add the water until the required workability is achieved.
4. When mixing by hand, use a hard clean surface on which to do the mixing. First measure out the sand then add the cement. Add water slowly and mix thoroughly until you achieve a workable paste. For concrete, the stone can be added prior to the water.
5. Mix small batches that can be used within 1 hour.
6. See recommended mix for proportions.



CURING

The curing process prevents moisture loss from the concrete, which will cause cracking in the approx. 3-7 day period. The cement must be kept damp after application to gain strength. The loss of moisture is best prevented by spraying the concrete with water and covering it with plastic sheeting. Loss of moisture will affect strength gain.



★ CONCRETE MIXES ★

APPLICATION	CEMENT	SAND	STONE
LOW STRENGTH CONCRETE FOOTINGS ±15MPa	2 x 	4 x 	5 x 
APPLICATION	CEMENT	SAND	STONE
MEDIUM STRENGTH CONCRETE FOUNDATIONS, FLOORS, FOOTPATHS ETC. ±20MPa	2 x 	2 x 	3½ x 
APPLICATION	CEMENT	SAND	STONE
HIGH STRENGTH REINFORCED CONCRETE ±30MPa	2 x 	2½ x 	3 x 

★ MASONRY CEMENT ★

APPLICATION	CEMENT	SAND	STONE
MORTAR AND PLASTER Suitable for laying bricks and building blocks	2 x 	6 x 	—
APPLICATION	CEMENT	SAND	STONE
BRICK AND BLOCK MAKING	2 x 	8 x 	—



INFRABUILD



CEMENT DEPOT: KILO ROAD MIDDELBURG - TEL +27 (10) 630 0100
E-MAIL: SALES@INFRABUILDCEMENT.CO.ZA **WEB:** WWW.INFRABUILDCEMENT.CO.ZA