

 **50** NET
KG.
S.M. PERMIT NO. 13518



SAVANNAH CEMENT

— Building Perfection

32.5R

POZZOLANIC CEMENT

KS EAS 18 -1 : 2001

CEM IV/B(P) 32.5R

All in One Perfection

Introduction to CEM IV/ B 32.5R:

Savannah 32.5R is a versatile Pozzolanic general - purpose cement that offers the added "R" feature guaranteeing rapid early strength development, together with superior workability, thus well suited for both large scale structural concrete applications as well as domestic use.

CEM IV/B 32.5R is specially made for users who need:

- Consistent and reliable excellent early strength gain
(Achieves similar early strength gain performance as a 42.5N
(in compliance to KS EAS 18-1:2001)
- Low Heat of Hydration – eliminating the risk of thermal stress cracking in large construction projects
- Rapid setting cement
- Improved cement workability and placeability with better finishes
- Excellent Durability – Highly resistant to aggressive environmental attack – e.g. sulfate attack
- Excellent for grouting applications
- Improved concrete cohesion eliminating aggregate segregation before concrete setting
- Reduced (or no) mortar bleeding at recommended water to cement ratios

Composition:

CEM IV/B 32.5R is a Pozzolanic cement formulated from Portland clinker and inter ground with Gypsum and high quality and reactive pozzolana materials. An innovative formulation using active admixture agents is also utilized during cement grinding to optimize the products quality performance.

It is a CEM IV/B Pozzolanic cement in the 32.5Mpa strength class specially formulated in accordance to the KS EAS 18-1:2001 which is adopted from the EN 197 – 1 European Standards.

Availability:

Savannah 32.5R is available in 50kg bags and in bulk.

Applications:

Savannah 32.5R is designed to be the user-friendly solution for general purpose applications ranging from general home use, to large construction projects.

- Foundations
- Swimming Pools, Water tanks – concrete
- Suspended slabs, Beams and Columns
- Pre cast domestic applications
- Brick and block making
- Domestic floors
- Plastering and brick laying plaster
- Domestic Poles

Storage and Usage information:



TRANSPORT

Transport cement in vehicles with adequate protection from humid weather.



STORAGE

Store bagged cement on a raised floor in a damp proof shed or on a raised platform and cover with waterproof sheeting. Use the cement in the order you’ve received it, i.e. First in first out (FIFO)



CURING

Concrete on plaster should be kept moist for at least 7 days to prevent cracking and ensure that its strength increases. Spray gently with water and protect with plastic sheets (or wet Hessian) to prevent from drying out.



WATER

In general the more water used for a given quantity of cement, the weaker the concrete or mortar will be. Use optimum amount of water to make the mix workable. Use only clean water free of acidity and alkalinity.



MIXING

Accurately measure all materials with a suitable container (wheelbarrow or bucket). Mix thoroughly until a uniform colour is obtained. Add clean water whilst mixing but avoid adding too much. Mix the cement, sand and aggregate and water on a clean, smooth, dry platform or in a concrete mixing machine. Sieve and wash sand before use. See table for proportions.

Recommended mix proportions by volume using 32.5R:

SAVANNAH CEMENT 32.5R IS RECOMMENDED FOR	NUMBERS DENOTE VOLUME PROPORTIONS		
	 CEMENT	 SAND	 AGGREGATE
STRUCTURAL APPLICATION: • Suspension slabs • Retain structures	1	1	2
HOME CONCRETE: • Foundation footing • Domestic floors un-reinforced	1	2	4
LOW STRENGTH CONCRETE: • Domestic poles • Post foundations	1	3	6
MEDIUM STRENGTH CONCRETE: • Driveways • Light industrial floors un-reinforced	1	1.5	3
MORTAR FOR BRICKLAYING & PLASTERING	1	3	-
BRICK AND BLOCK MAKING MIX	1	4	-
NB 1: Use the same size container for measuring all the materials in the batch-see volume propotions above. NB 2: The mix proportions suggested using 1:3:6 will be dependent on the quality of the coarse and fine aggregate. RECOMMENDED TIME FOR REMOVAL OF FORM WORK OR SHUTTERING 1. Side column and beams - 1day 2. Bottom of slab up to 4.5 metres - 7days 3. Bottom of slab more than 4.5 metres - 14 days 4. Bottom of slab up to 6.0 metres - 14days 5. Bottom of slab more than 6.1 metres - 21 days			

Health and safety warning:



- When working with cement wear safety glasses and gloves



- Wash your hands after working with wet cement



- In the event of cement contact with your eyes, rinse thoroughly with water and get medical attention if necessary



- Wear a dust mask



- Wear a safety hat



- Keep out of reach of children at all time