

Description and Uses

ACS *Concrete* is a pre-blended mix of dry aggregate, graded sands and cement.

It is ideal for any concreting job which requires a smooth, quality finish such as small slabs, paths, footings and edging.

ACS *Concrete* can also be used for securing fence posts, sign posts and light posts.

Packaging

ACS *Concrete* is available in 20kg bags.

Coverage

1 x 20kg bag = 0.01m³
99 x 20kg bags = 1.0m³

Application

1. Make sure your project is properly laid out with all the necessary tools at hand.
2. Pour required amount of concrete into a wheel barrow or onto a clean surface. Use contents as soon as possible after opening the package.
3. Calculate the amount of water you will need. One 30kg bag requires 3-3.5 litres of clean water. (Use approximately 1-1.2 litres of water for per 10kg bag and 2-2.3 litres of water for per 20kg bag).
4. Add water gradually and mix thoroughly to a stiff consistency. Excess water can ruin good concrete. Do not add water after the concrete has been mixed, as this reduces the strength of the concrete.

Placing

1. Using a straight-edge board across the top of the formwork, 'screed' the concrete to the desired level. Work the screedboard across the slab from one end to the other in a sawing motion to bring the slab to its finished level.
2. Fill any holes and screed again.
3. Remove excess concrete if necessary and leave the slab to set for one hour (depending on weather conditions) before finishing.

Finishing

Leave the installed concrete to stand for approximately one hour before trowelling to the desired finish.

For a non-slip finish (or if tiling over) use a wooden float in a circular motion across the slab. For a smooth finish a steel float should be used. Edges should be finished with an edging tool for best results.

Curing

Cure the concrete by keeping it moist for seven days.

Clean Up

Clean all surrounding areas and surfaces immediately with water, ensuring no waste or contaminated water ends up in drains or waterways.

Technical Performance

AS3648-1993 Specification and Methods of Test for Packaged Concrete Mixes:-

Criteria	AS3648 Limits	Average Results
Water added per 30kg bag	As per manufacturer's instruction	3.0 – 3.5 Litres
Consistency (Slump)	90 – 110 mm	100 mm
Plastic Density, kg/m ³	Not less 2100kg/m ³	2100kg/m ³
Volume Yield, m ³	Min 95% of specified	0.0151 m ³ per 30 kg bag
Retained (on 19mm sieve)	Not more than 5%	0 - 5%
Retained (on 4.75mm sieve)	25-55%	30 - 50%

Compressive Strength – tested as per AS1012.2 : 1994	
3 days	7.5 MPa
7 days	15 MPa
28 days	25 MPa

Storage

ACS *Concrete* will keep for up to 12 months if kept in a dry store, up off the ground and providing the bags remain sealed. High temperature and high humidity conditions may reduce the storage life of the product.

Precautions

ACS *Concrete* contains cement powders which can be harmful to the skin. During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap.

In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention immediately – **Do not** induce vomiting.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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