

DESCRIPTION

ACS Screed is a pre-blended screed mixture for the installation of cementitious screeds and beds.

ACS Screed is a grey powder, consisting of specially graded sand, cement and additives, specifically formulated to create easy to use and apply cementitious screeds suitable for the installation of tiles.

ACS Screed is suitable for internal and external floor applications, including balconies, bathroom floors and shower bases, in both bonded and un-bonded screed applications.

FEATURES AND BENEFITS

- One component system, requires only the addition of clean water.
- Quick and easy to apply;
- Eliminates the need to carry sand and cement;
- Suitable for thin and thick bed applications;
- Can be further improved by mixing it with of *ACS Neloastic* diluted 1:1 with water.

RECOMMENDATIONS

Do **not** use:

- On wooden, rubber, or metal substrates, unless the minimum bed thickness is 40mm and is reinforced with an appropriate wire mesh.
- Contact ACS Technical Services for information on tiling over other surfaces not mentioned in this data sheet.

PACKAGING

ACS Screed is available in 20kg paper bags.

CONSUMPTION

Approximately 2 kg per m² per mm of adhesive thickness.

20 kg of Screed will cover approximately 1 m² at a thickness of 10mm.

TECHNICAL DATA

DRY PRODUCT	
Form:	Grey powder
Bulk Density:	1900 kg/m ³
Mixing ratio/20kg bag	1.8–2.1 litres

MIXED PRODUCT	
Consistency:	Homogeneous Paste
Wet Density:	2000 kg/m ³
pH:	10 – 12
Pot life:	3 hours
Setting time:	2 – 4 hours
Drying Time:	24 hours

COMPRESSIVE STRENGTHS	
24 hours	18 MPa
7days	25 MPa
14 days	30 MPa
7 days air cure –	25 MPa
21 days water immersion	

APPLICATION

Substrate Preparation

All substrates must be dry, solid, structurally sound, free of loose particles, paint, grease, oil, wax, dust and any contamination.

Cementitious substrates, such as concrete, must not be subject to shrinkage after the installation of *ACS Screed*.

Fibre cement sheet substrates must be fixed in accordance to the manufacturer's instructions and the relevant Australian Standards.

Note:- All concrete floors should be primed with ACS Neloastic diluted 2:1.

Mixing

Machine Mixing:

Place the *ACS Screed* into the mixer, then add two litres of clean water per 20 kg bag of *ACS Screed*. Allow to mix thoroughly for 3-5 minutes.

Drill Mixing:

Place two litres of clean water into a clean container and slowly add 20 kg of *ACS Screed* while slowly mixing with a low speed mixer. Mix thoroughly to a smooth, homogeneous consistency.

Hand Mixing:

Place the *ACS Screed* into a wheelbarrow or onto a clean solid surface, then add two litres of clean water per 20kg bag of *ACS Screed*.

Mix with a shovel until a uniform consistency is achieved.

Applying the Screed

Place the mixed product onto the area to be screeded and screed to the desired thickness and plane using an appropriate straight-edge.

Apply the desired surface finish using a wooded or polyurethane float.

Bonded Screeds: Apply a primer coat of *ACS ACS Neolastic* mixed 2:1 with water on to the substrate. Place the mixed *ACS Screed* onto the bond coat while it is still wet. Apply the finish as described previously.

Un-bonded Screeds: Apply the mixed *ACS Screed* onto a polyethylene film, building paper, waterproofing membrane etc. and finish as described previously. The minimum bed thickness should be 30 mm.

For external applications, areas subject to vehicular traffic or point loads, mix *ACS Screed* with *ACS Neolastic* diluted 1:1 with water.

Discard any material that has exceeded the pot life or working time of the product.

INSTALLING TILES

Tiles may be installed immediately using the "Wet-bed Method" or with an appropriate ACS Tile adhesive when ACS Screed has fully cured, usually after seven days.

MOVEMENT JOINTS

It is essential that movement joints are carried through the tile, the adhesive and the screed and are kept free from dust, adhesive and other contaminants. Refer to AS3958.1 - 2007 for guidance on design and construction of movement joints.

CLEAN UP

Clean all tools and equipment with water before the adhesive dries.

OPEN TO TRAFFIC

Floors are ready to receive light foot traffic after approximately 24 hours and may be put into full use after approximately seven days.

STORAGE

Stored in original, unopened packaging, in cool, dry conditions, *ACS Screed* will keep for 6 -12 months. Storing in areas of high humidity or excess moisture may affect the contents and shorten shelf-life.

HEALTH & SAFETY

ACS Screed contains cement, which can be irritating to the skin and eyes. 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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