

Void Fill FF

DESCRIPTION

ACS Void Fill FF is a pre-blended polymer modified, lightweight non-shrink cementitious grout. It has been specifically designed for rapid void filling and strata consolidation.

FEATURES AND BENEFITS

- Pre-blended - requires only the addition of potable water.
- High volume yield due to stable air bubbles.
- Lightweight – reducing stress concentration in strata.
- Cohesive – can be tremied or gravity poured without segregation.
- Pumpable – rapid placement possible using appropriate pumps.
- Provides excellent flow retention.
- Shrinkage compensated – ensures good adhesion to substrate.

PERFORMANCE PROPERTIES

DRY PRODUCT	
Form:	grey powder
Bulk Density:	~800 kgs/m ³
Water addition/1000kg bag	300 – 400 L
Yield per 1000kg, m³	1.3 – 1.4

The following typical results were obtained at 23 ±2 °C with 50% R. H.

MIXED PRODUCT	
Consistency:	Homogeneous Paste
Wet Density:	~1000 kgs/m ³
pH:	10 – 12
Gel time	5 – 10 minutes
Flow Retention:	1.0 – 2.0 hours
Setting time:	4 – 6 hours
Drying Time:	24 hours
Full Cure:	3-4 days

Compressive Strength (using 8L/20kg bag)	
7 days	1.0 MPa
28 days	3.5 MPa

PACKAGING

ACS Void Fill FF is available in 20kg and 1000kg bulk bags.

SURFACE PREPARATION

ACS Void Fill FF is not designed to displace water. Please ensure void is free of standing water.

MIXING

ACS Void Fill FF requires 300-400 litres of water for each 1000kgs or 1 ton bulker bag. 20 kg bags require 5-8 litres of water per bag.

Place all of the water into the mixer first then add the *Void Fill FF*. Mix for 4-8 minutes or until the mixture is homogenous.

Allow the mixture to stand for three minutes to ensure that any entrapped air can escape. Re-mix for another 2-3 minutes before placing.

Mixing Equipment Required:- grout mixer, concrete mixer, or alternatively, the product can also be mixed in a concrete batch plant and transported by concrete agitator to site for placing.

PLACING

ACS Void Fill FF can be pumped, tremied or placed by gravity flow, depending on requirements. If pumping *Void Fill FF*, ensure the pump is primed with a diluted mixture of *Void Fill FF* prior to placement.

Note:- Do not use water as a primer, as this may cause segregation in some cases.

CLEAN UP

The mixer, pumps and hoses should be thoroughly cleaned with water after use.

STORAGE

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

SAFETY

ACS Void Fill FF 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.



Applied Concrete Solutions
A Division of River Sands Pty Ltd
683 Beenleigh Redland Bay Rd,
Carbrook Qld 4130
Ph: 07 3287 6444 Fax: 07 3287 6445
Sydney: (02) 9756 1711
Melb: (03) 9311 9225
Perth: 0423 023 164
Toll Free Helpline: 1800 077 744
www.appliedconcretesolutions.com.au