



CONSTANT PERFORMANCE

# ACS BIO AGI SHIELD

## NEW AGE TECHNOLOGY DRY SHOTCRETE

### DESCRIPTION

ACS Bio Agi Shield is an advanced action formula of speciality non-hazardous oils and vegetable oil derivatives and is designed specifically for use in releasing concrete casts from metallic surfaces and moulds.

### RECOMMENDED USES

ACS Bio Agi Shield is ideal for use in coating concrete mixers, pumps and other equipment used in concrete production.

ACS Bio Agi Shield will shield the equipment from adhesion of wet mixed concrete, grout or other cementitious products and also halt the advance of rust developing on exposed steel surfaces.

ACS Bio Agi Shield is also recommended for use in the Precast and Concrete Tile manufacturing industries.

Its low VOC formula also makes it suitable for use in other industries where cement based products is manufactured.

### FEATURES AND BENEFITS

- Designed to provide high level of operator health and safety, and to minimise adverse impact on the environment
- Formulated to create excellent release characteristics
- Can provide a class 1 - 2 finish to concrete surfaces
- Suitable for both heated or ambient cured situations
- Resists build up on moulds, assists in rust protection and promotes easy clean up
- Maintains performance and workability at low temperatures
- Very cost effective due to its low use rate
- Most economical compared to other vegetable based release agents
- Not classified as a Dangerous Good enabling more flexible and convenient storage, handling and transportation
- Environmentally friendly - unique formulation provides faster and more complete biodegradation for a cleaner and safer environment

### COMPLIANCE

ACS Bio Agi Shield is not classified as a hazardous product according to the criteria of Worksafe Australia nor is it classified as a dangerous good.

### TECHNICAL PROPERTIES

Colour	Clear yellow to amber
Form	Liquid
Odour	Bland oily
Pour Point	10°C
Cloud Point	>150°C
Viscosity (25°C)	10 cSt
SG (20°C)	0.85
VOC	<1%

### MIXING AND APPLICATION

#### Wet Mix and Precast Concrete Manufacture

Apply ACS Bio Agi Shield undiluted by spray, brush or mop.

Apply at a rate of 50-100m<sup>2</sup> / L or as little as possible whilst ensuring a thorough and even coverage over the entire working surface of the mould. This should provide optimum performance and minimize the potential for sticking, uneven release and build up. Excess material may compromise performance so remove with a mop or soft cloth.

If applying by hand sprayer, it should have a cap type filling device to allow easy filling without the possibility of dust contamination. It should also be fitted with a suitably sized flat fan nozzle and appropriate tip strainer.

A superior finish may be attained by applying with a damp clean soft flannel cloth.

**CAUTION:** Avoid use on rubber or latex fitting or moulds as ACS Bio Agi Shield can penetrate these material and cause shape distortion. Viton is generally recommended for seals and fittings.

## Concrete Tile Manufacturer

Apply ACS Bio Agi Shield at 3-5g per mould. Specialist advice on application equipment may be required. Contact ACS for further details.

## PACKAGING

ACS Bio Agi Shield is available in 20 and 200 litre drums or 1000 litre IBCs.

## STORAGE

ACS Bio Agi Shield can be stored for at least 1 year when stored indoors at temperatures below 40° C and in closed original containers.

Avoid exposure to air for prolonged periods.

Product may thicken or solidify if cooled below 0°C.

Do not allow water to contaminate product.

Bulk Storage vessels made of stainless steel, fibreglass, polypropylene or polyethylene are preferred. It is strongly recommended to thoroughly clean old mild steel tanks before storage as ACS Bio Agi Shield may cause rust and other old deposits to be released resulting in contamination. Long term storage in mild steel tanks may result in product discolouration and other degradation.

## HEALTH AND SAFETY

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 (MSDS) and read the product label carefully before use.

MSDS documents are available by phoning 1800 077 744.



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### 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, inexpert 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

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