



# EARTH AID

**Earth Aid is designed to be used as a water repellent admixture for Tech-Dry Earth Render System**



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# EARTH AID EMULSION INFORMATION

Manufacturer's Code: RPADM. Updated: 01/01/2008

## Description

EARTH AID is designed as a water-repellent admixture for the Tech-Dry earth render system or other polymer render systems. EARTH AID contains reactive silane/siloxanes which can react with earth render ingredients to impart durable water resistance to the entire body of the earth render against weathering.

## Recommended Uses

EARTH AID is used as a water repellent admixture for the Tech-Dry earth render system or other polymer render systems. The resultant earth render exhibits good surface beading and low water absorption. EARTH AID also provides early water repellency to prevent wash-down due to rain or dew contacting the render before cure. The final water penetration through the render is significantly reduced.

EARTH AID is added at a concentration of up to 4% by weight to the earth render. The resultant earth render exhibits excellent surface beading (as shown in Figure 1) resulting in very low water absorption of the earth render. The water resistance is developed very quickly, preventing wash-down due to rain or dew contacting the render surface before cure. The water absorption through the render can be reduced by up to 95%.

As earth render varies, it is always recommended that a test must be carried out prior to application to find the suitability of this product for the purpose.



**Standard Earth Render:**  
The water droplet is absorbed through the render surface.



**Earth Render with Earthaid:**  
Render surface shows excellent beading effect of water droplet.

## Use Instructions

EARTH AID is easy to use. The following instructions should be followed when EARTH AID is used in a typical earth render system:

Read this product data sheet before use.

Stir the product before use.

A typical earth render system with EARTH AID is shown below (all by volume):

Dry earth render mix:	10 parts
Tech Dry Earth Bonding Emulsion:	2 parts
Tech Dry EARTH AID:	0.4 parts
Water:	to consistency

Mix dry earth render mix into water followed by Earth Bonding Emulsion with mixing. Slowly add EARTH AID into the final render mix with stirring. Stir until homogeneous render mix is obtained. Adjust the consistency of the final earth render mix according to the Tech-Dry Product Information of Earth Render Admixture Systems.

The earth render with EARTH AID is now ready to use. As the product is water-based, all equipment can be cleaned with water.

## Typical Data

Appearance:	Milky white liquid with slight odour
Solids content:	50% by weight
Specific Gravity:	1.0 gm/ml
pH value:	7-8
Solubility in water:	Miscible
VOC content:	Nil
Flash point:	>100°C

## Important Note

As products and the condition of use vary, it is always recommended that a pilot trial should be carried out prior to using EARTH AID to determine the suitability of this product for the purpose.

## Handling & Storage

EARTH AID is classified as a non-hazardous material according to the criteria of Worksafe Australia. However, as with all chemical products, good industrial hygiene procedures should be followed when using this product. The product should be stored in closed containers in a cool dry place away from any fire sources. The product has a shelf life of 12 months in a sealed container stored at a temperature below 25°C.

**USE WITH SUFFICIENT VENTILATION AWAY FROM ANY FIRE OR IGNITION SOURCES!**

**KEEP OUT OF REACH OF CHILDREN!**

## Packaging

EARTH AID is available in 5 and 20 litre plastic drums. Other size containers may be available on request.

## Disclaimer

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge. As the storage, handling and application of this material is beyond our control; we can only be responsible for the quality of our product at the time of dispatch. We reserve the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. It is the responsibility of the end user to determine the suitability of this material for any particular application.