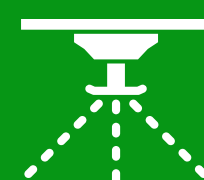
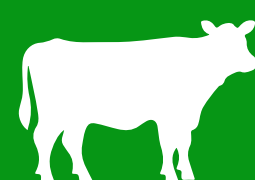


PRODUCT GUIDE

FOR DRY APPLICATIONS



Product of South Africa



DIY

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DAMFIX
.....dry

WHAT IS **DAMFIX Dry**?

DAMFIX Dry is a unique formulation of earth dam sealing polymer with added minerals to assist with the bonding process of soil. The added minerals to the polymer particles gives the soil structure a boost, promoting the formation of a natural seal.

DAMFIX Dry is ideally applied to seal new earth dams or existing empty dry earth dams & ponds in need of repair. The final process of this sealing method is rounded off with a light application of **DAMFIX Wet** after the dam has been filled with water, which consolidate the seal as a whole.

Once the dam has been filled with water, the hydraulic weight of the water is necessary for the dam sealer to expand rapidly, creating the seal. A dam should ideally be allowed 1 to 2 months to settle before the introduction of aesthetic elements, plants, and aquatic life.

Made in South Africa, this earth dam sealant effectively seal leaks without disrupting the natural environment. This product promotes the formation of natural processes in an earth dam.

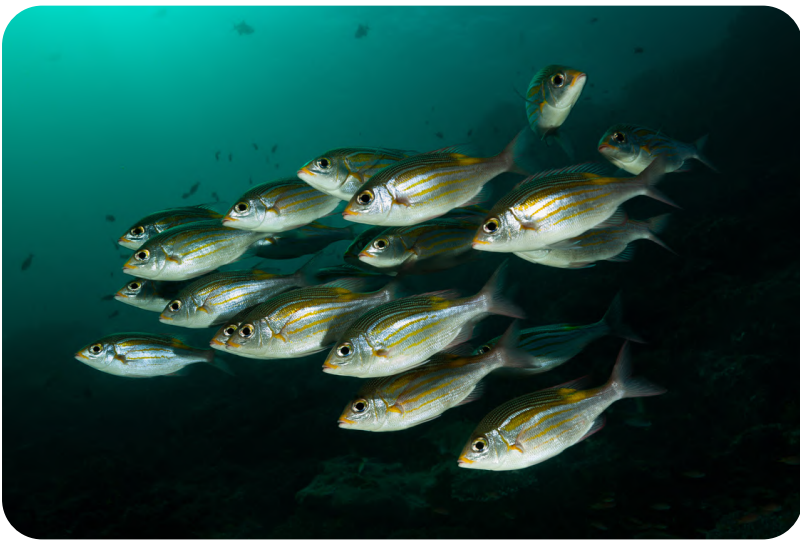
DAMFIX Dry has been formulated and refined to exceed industry standards in both safety and ease of use.

**A simple
DIY solution
to a complex
problem!**



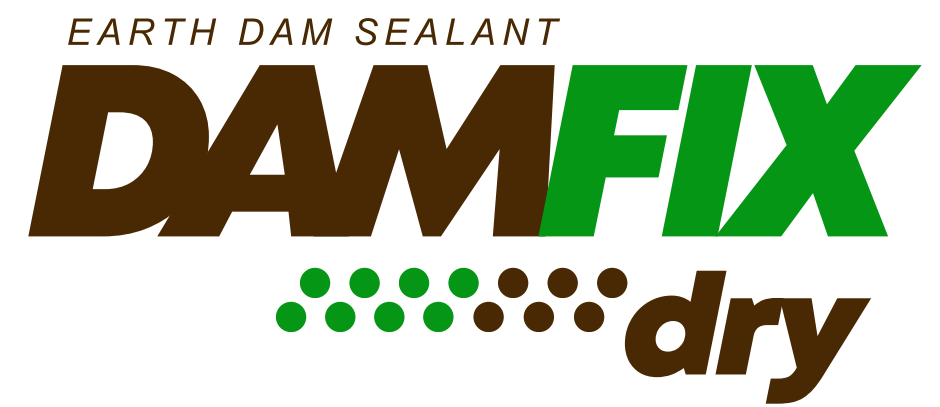
KEY FEATURES

EARTH DAM SEALANT
DAMFIX
.....dry



- ✓ Easy-to-apply yourself.
- ✓ No pre-mixing required, just apply.
- ✓ Non-toxic and environmentally friendly.
- ✓ Creates a permanent seal.
- ✓ Improves soil water holding capacity.
- ✓ Suitable for small and large earth dams.
- ✓ Suitable on most soil types, including loam, silt, clay, coarse, fine & sandy soils.
- ✓ Suitable for most levels of water loss, whether its a slow leak or a fast leak.
- ✓ Suitable for leaks in the base & walls of a dam.
- ✓ Animal hooves won't damage the polymer.
- ✓ Safe for plants, animals and aquatic life.
- ✓ Safe for Irrigation systems.
- ✓ Does not interfere with the natural plant and animal life in the dam.

TECHNICAL DATA



Important to Note!

In order to achieve suitable results, it is important to note that **DAMFIX Dry** is used in conjunction with **DAMFIX Wet**.

Follow stipulated application guidelines as indicated in this manual.

Packaging

DAMFIX Dry

20 litres = an estimated coverage area of 200 m².

Then a follow-up light application is essential with:

DAMFIX Wet

20 litres = an estimated coverage area of *800 m².

*This coverage indication is only applicable when used in conjunction with **DAMFIX Dry**.

Activation Time

Activation is immediate once the polymer comes in contact with water. The polymer particles reach full swell capacity over 7 to 14 days.

Shelf Life

5 years in a dry sealed container.

Life After Application

The polymer will degrade over a period of 8 – 10 years, during which time the natural build-up of silt and clay will have created a permanent natural seal.

Effectiveness

Indicated application is normally sufficient, however, aggressive or challenging porous soil structures may require an increased dosage.

Composition

DAMFIX Dry is a blend of natural polymers, synthetic super-absorbent polymers, and added minerals in dry powder form.

It contains linear and cross-linked polymers to seal most types of soil, for any sized project.

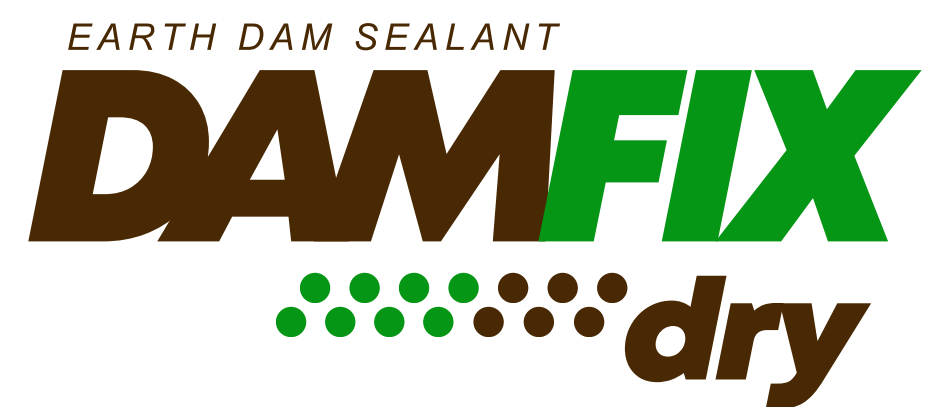
The polymer particles swells up to 400 times its original weight.

Water flow and pressure draw the polymers into the soil structure providing a natural sealing action.

Warning

Water and soils with a higher alkalinity, salinity or acidity may affect product performance. A higher application rate is recommended in this instance.

BONDING PROCESS



**BEFORE
ACTIVATION**



**AFTER
COMPACTION**

After the application of **DAMFIX Dry** and filling the dam with water, the polymer begin to hydrate and expand (into a gel) on contact with water.

DAMFIX Dry creates a plug to stop the leaks. After bonding with the soil, the texture of the soil will reflect to that of clay and/or silt.

NOTE: Once the bonding process has completed, there is not a gel layer on the dam floor, nor is there gel floating or drifting in the water. Natural processes in the dam environment will commence.



**AFTER
ACTIVATION**



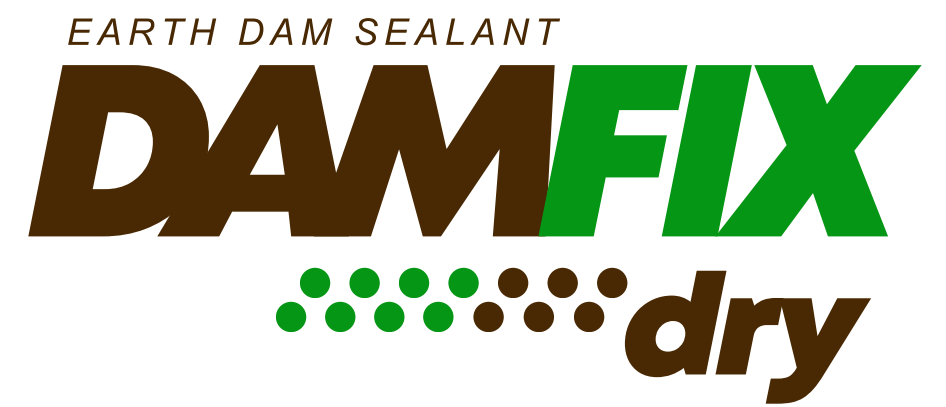
**BONDING
WITH SOIL**



Compacted soil
without any product

Compacted soil
with **DAMFIX Dry**

APPLICATION



1 Preparation

Pump out existing water.

Remove all plants, organic or foreign matter (stones, rocks, rubble, roots, etc) from below the final water level.

2 Slopes & Spillway

All slopes should ideally be prepared to a maximum of 1:3, or at a maximum gradient of 45 degrees.

Form an adequate spillway.

3 Soil Loosening

Loosen the soil in the area to be sealed to a depth of 200-300mm.

4 Wet Area

Wet the area to be sealed with water. Sprinkling by garden hose is sufficient.

5 Spreading

Spread **DAMFIX Dry** evenly across the surface with a spreader. Apply at an estimated ratio of 200m² per 20-liter bucket.



APPLICATION

EARTH DAM SEALANT
DAMFIX
.....dry

6 Tilling

Till **DAMFIX Dry** into the soil up to 150mm deep with a Rotavator, Garden Fork or Garden Rake (The use of a TLB is not recommended, as even spreading is not achieved. Contact **DamPro** for advanced instructions if using a TLB).

7 Compact

Compact the area using a smooth drum vibratory roller such as a Bomag to provide a sealed thickness of approximately 100-150mm.

8 Fill with Water

Fill the dam with water, or raise the water level to a minimum of 1.5 meters deep. Allow 14 days for the **DAMFIX Dry** seal to expand and settle. Maintain water levels during this time.

9 Wet Application

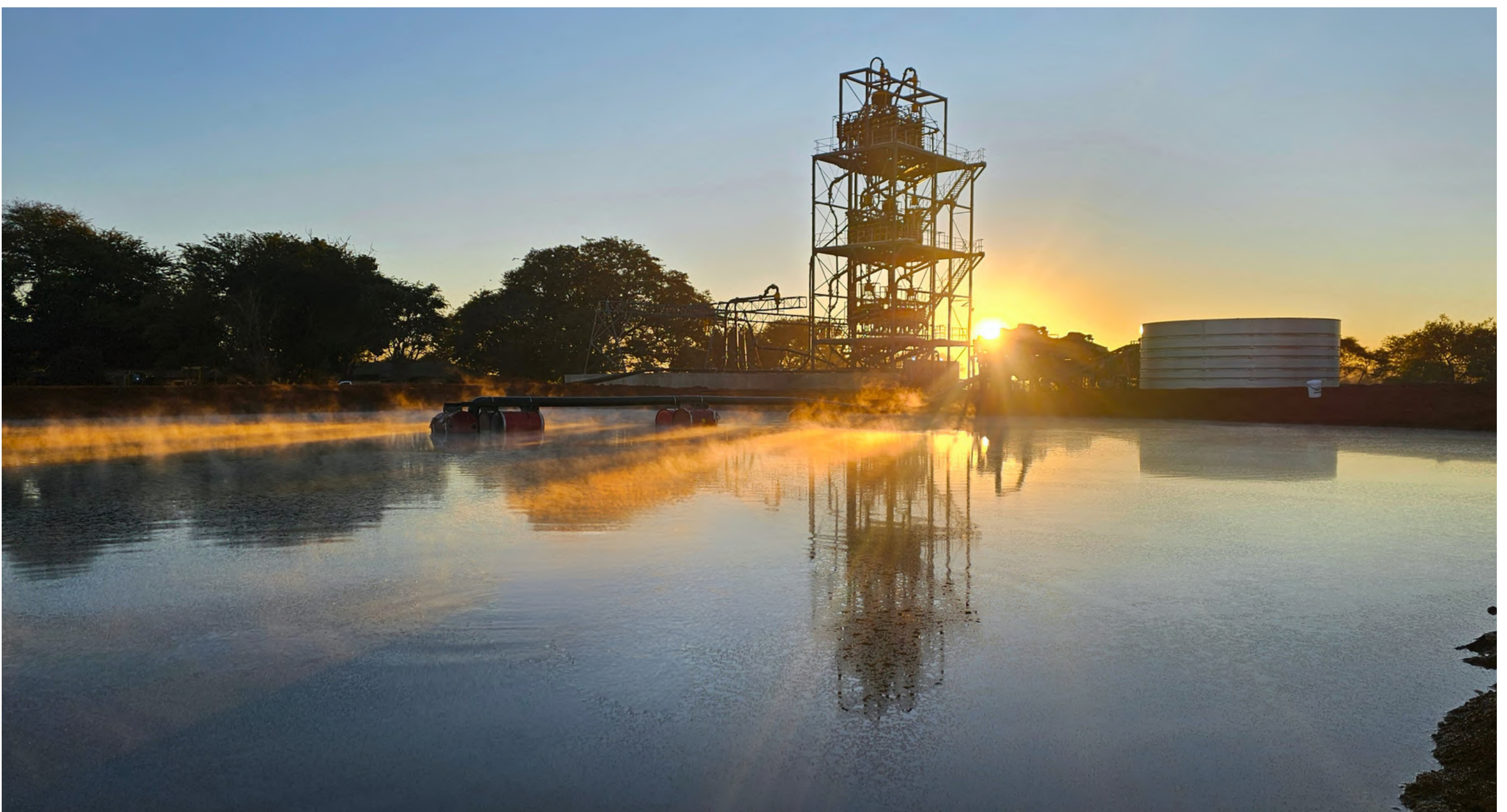
Finalise the sealing process with a light application of **DAMFIX Wet** at an estimated ratio of 800m² per 20-liter bucket. The wet application is essential to consolidate the dry seal. When doing the wet application, use a canoe and spreader on a fine day, with no wind and no rain present.

--- SEAL PROCESS COMPLETE ---



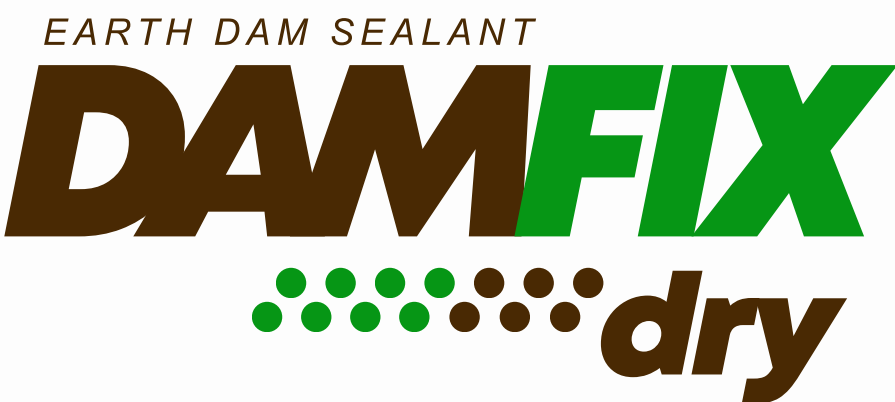
FINAL RESULT

EARTH DAM SEALANT
DAMFIX
.....dry



DAMFIX Dry is most effective, when applied by using the “mixed blanket” method, in the construction stage of a dam or when an existing dam has been completely drained, as only under these conditions can the necessary compaction be achieved. The wet application of **DAMFIX Wet** is a crucial part of the process in order to consolidate the seal as a whole. The prescribed method of sealing an earth dam in this guide drastically reduces permeability in soil.

COVERAGE & PRICES



Size	20L
Weight	21kg
Estimated Coverage	200m ²
Price VAT incl.	R5600
Price per m ² VAT incl.	R28

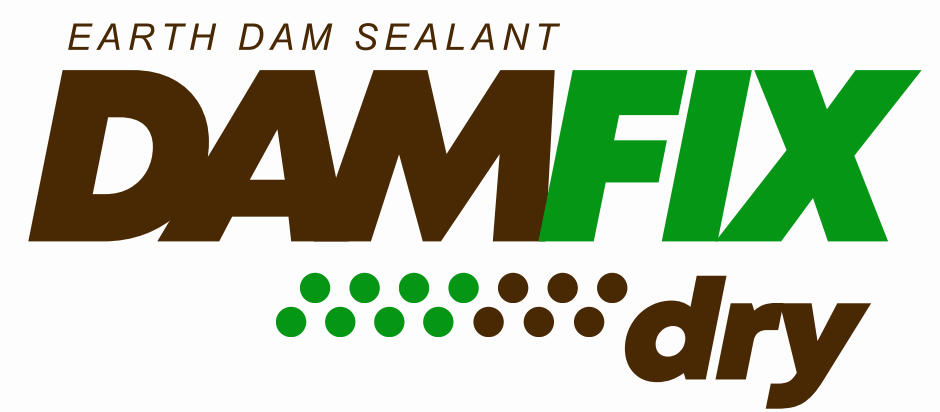


Size	20L
Weight	16kg
Estimated Coverage	*800m ²
Price VAT incl.	R8750
Price per m ² VAT incl.	R11

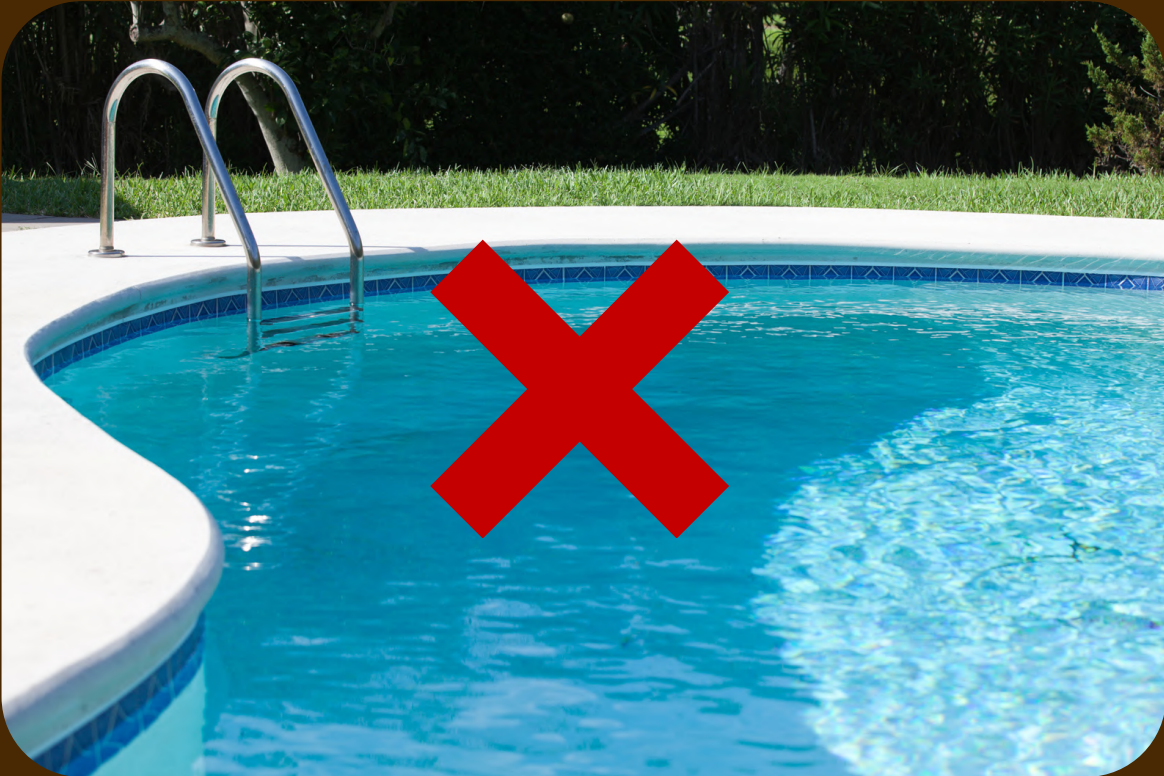
*This coverage ratio only applies when used in conjunction with **DAMFIX Dry**.

Additional courier charges apply. Delivered nationwide via The Courier Guy.
Price indicators as at 1 January 2025. Prices are subject to change.

A BIG NO-NO!



DAMFIX Dry and **DAMFIX Wet** was developed to Seal Earth Dams ONLY. It is not suitable for use on the following applications:



Swimming Pools



Roofs



Lined Dams



Zinc Dams



Cement Dams



Plastic Tanks



Septic Tanks



Water Troughs

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