

# PRODUCT GUIDE

**FOR WET APPLICATIONS**



**Product of South Africa**



**DIY**



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**SEAL  
LEAKS  
FAST!**



**DAMFIX**  
wet



## WHAT IS DAMFIX Wet?

**DAMFIX Wet** offers a swift and efficient solution for sealing earth dams and ponds. This granular polymer product effectively plugs leaks without the need to drain your water, making it the ideal choice for preserving your valuable water resources.

**DAMFIX Wet** is ideally applied to dams that already contain water. The hydraulic action of leaking water is necessary for the dam sealer to enter cracks and pores in the dam's surfaces.

The polymer is drawn into cracks and holes, expanding rapidly to seal leaks and gaps.

Made in South Africa, this proprietary blend of natural and synthetic polymers effectively seals leaks without disrupting the natural environment in earth dams.

**DAMFIX Wet** provides an easy-to-apply method to stop leaks in most types of earth-based dams including irrigation and livestock watering dams.

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

**Made in South Africa**





# KEY FEATURES



- ✓ Easy-to-apply yourself.
- ✓ One day treatment.
- ✓ Direct application to surface of water.
- ✓ No need to empty or drain the dam.
- ✓ Can be applied generally or to a specific area.
- ✓ 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



## Packaging

5 litres = an estimated 87.5 m<sup>2</sup>  
20 litres = an estimated 350 m<sup>2</sup>

## Coverage

An estimated 46 grams per 1 m<sup>2</sup>  
Or  
805 grams / 1 litre per 17,5 m<sup>2</sup>.

## 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.

## Application Temperature

Apply above water temperature of 5°C. Do not apply when freezing weather conditions are expected over the next 5 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

One application is normally sufficient, however, aggressive or challenging leaks may require a follow up application.

## Composition

**DAMFIX Wet** is a blend of natural and synthetic super-absorbent polymers, 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 leak 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.

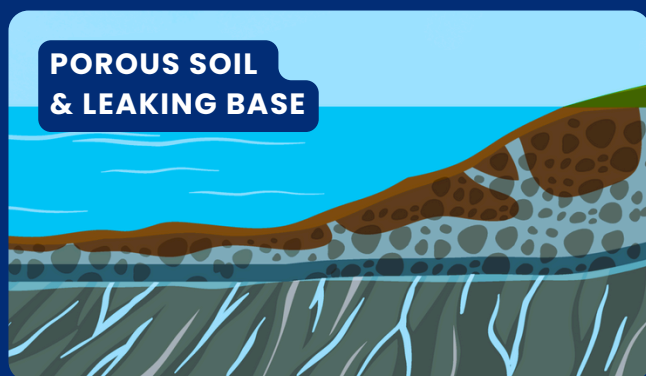


# HOW IT WORKS



## STEP 1

Observations indicate that your earth dam is losing water. Possible reasons for leakage include porous soil structure, very little or no clay content present, lack of compaction, incorrect construction methods, or old root systems creating channels.



## STEP 2

To seal the leak, apply **DAMFIX Wet** evenly to the water surface of the dam. Optimised results are best achieved when applying the product evenly while making use of a canoe and a handheld spreader.



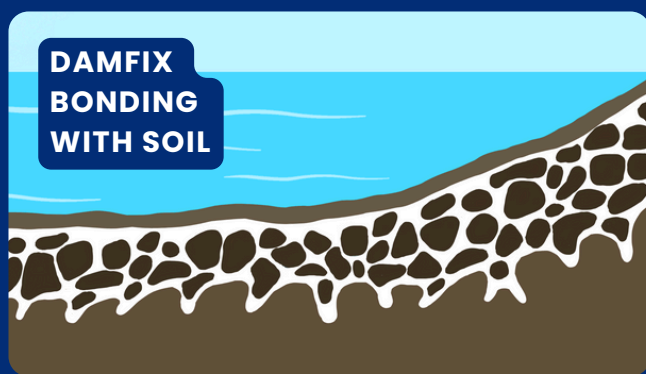
## STEP 3

On contact with water the polymers begin to hydrate, transforming into a gel. They continue to expand and descend to the bottom of the dam. The hydrostatic pressure forces the polymers into the porous areas.



## STEP 4

The polymers continue to link and expand rapidly up to 400 times over 7 to 14 days, creating an effective plug to stop the leaks. It binds with soil & clay particles. Natural processes resume with the formation of clay and silt.





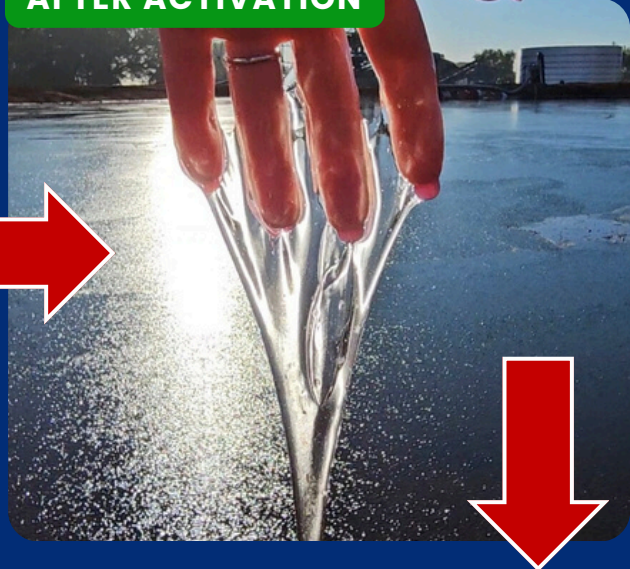
# BONDING PROCESS



## BEFORE ACTIVATION



## AFTER ACTIVATION



When applying **DAMFIX Wet** to the water surface, the polymer begin to hydrate and expand (into a gel) on contact with water and descend to the bottom of the dam.

The weight of the water (hydrostatic pressure) and flow of water through the leak, forces the particles into the cracks and voids. The polymer particles continue to expand and bind with the soil.

**DAMFIX Wet** 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:** After 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 will resume.

## BONDING WITH LOAMY SOIL



## BONDING WITH SILTY SOIL





# APPLICATION



- **DAMFIX Wet** is applied directly to the water surface. Optimised results are best achieved when spreading evenly while making use of a boat/canoe and a handheld spreader.
- If you know where the leaks are coming from, the polymer can be applied only to these areas. Otherwise, it may be better to treat the entire water surface.
- For best results **DAMFIX Wet** should be applied while the dam is actively leaking.
- Broadcast the polymers up to 1.5 meters wide and hold the spreader close to the water while the canoe moves at a very slow speed.
- The product should be applied only on fine days, with no to very little wind and no rain present. The best application time is at first daylight while the water is quiet and no wind is present.



- The treatment area should be free of weeds and debris as these stop the polymer particles finding their way into the leaks.
- The water level should be at least 0,5 meter deep.
- The application is quick, simple and begins to work immediately.
- When applied correctly, there should be a noticeable reduction in water loss over the first few days. The full effect of the treatment can take up to 14 days.

# BEST PRACTICES



To maximise the effectiveness of **DAMFIX Wet** during application, remember to:

1

Ensure that water is present in the designated area for treatment.

2

Apply when the water temperature is above 5°C. Do not apply when freezing weather conditions are expected over the next 5 days.

3

Opt for application during a clear day with no to very light windy conditions.

4

Clear the area of excessive aquatic vegetation and algae for optimal results. Remove any weeds, reeds and leaf litter.

5

Remove livestock, dense reeds or heavy vegetation, as they can impede the polymers ability to get to the seepage.

6

Sufficient and even coverage of polymer over the source of the leak/s is key to achieving a long term result.

7

Stop pumps in irrigation dams before application start. Allow polymer to settle for minimum 3 days before restarting pumps.





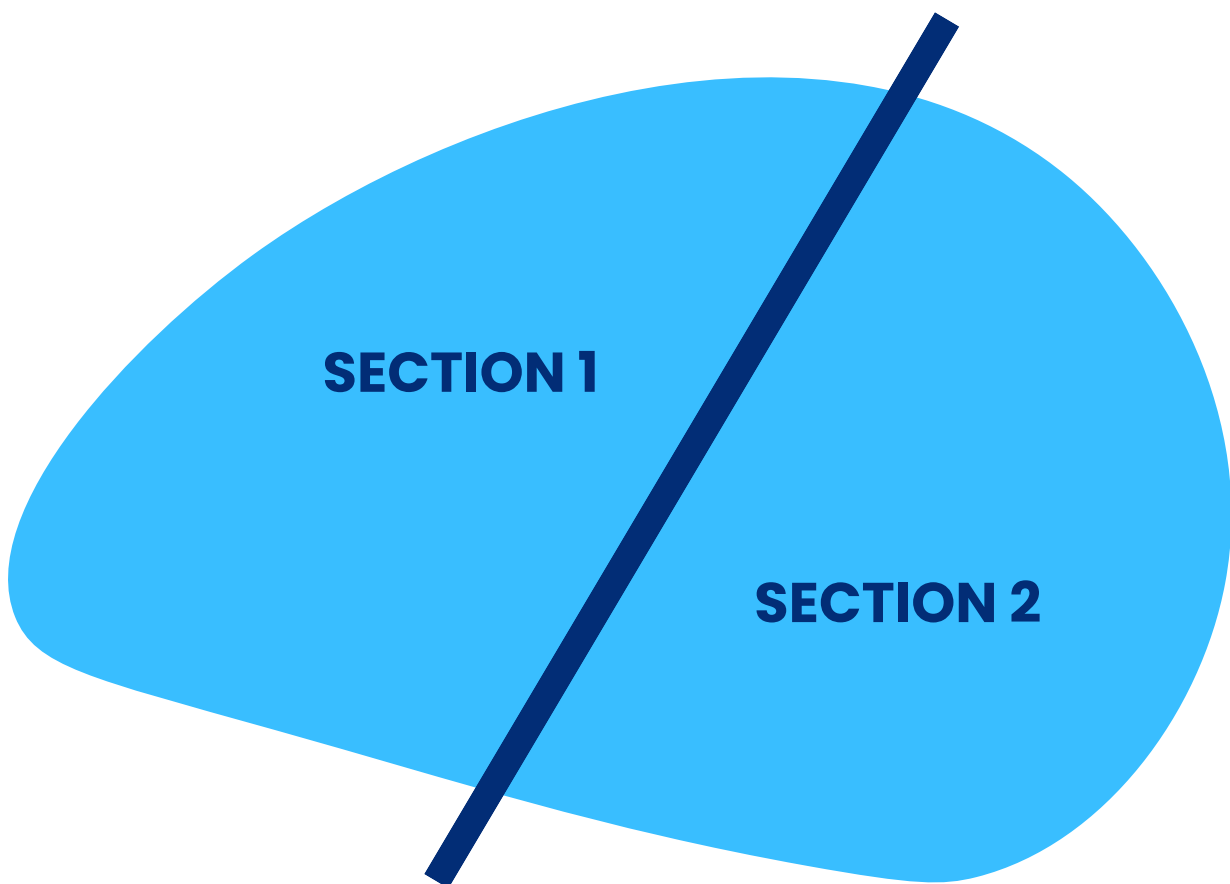
# FISH SAFETY



**DAMFIX Wet** is a non-toxic product and do not have a negative impact on aquatic life. As a precaution, where large populations of fish are present in dams of 2000 m<sup>2</sup> or less, it is best to apply **DAMFIX Wet** in sections.

Divide the dam into two roughly equal areas and apply to the first area only. This allows the fish to move to the untreated section while the polymer settles into the soil of the first section.

Allow at least 36 hours before application to the second half of the dam surface.



## Should I turn off my pumps and filters?

It's recommended to turn off pumps or filters before application commences. Restart after a minimum of 4 days to give the polymers time to settle. Make sure to check for any floating polymer before switching on the pumps. Once the polymer settles at the bottom of your dam, it will begin to seep into the leaking areas. It will not float around in the water.

## Is **DAMFIX Wet** safe for fish?

Yes, **DAMFIX Wet** is safe for fish. It's a non-toxic product. See page 10 for guidance on how to approach the application process when fish are present in smaller dams.

## Will **DAMFIX Wet** address tree root damage and crab holes?

In clay or earth-based dams, DAMFIX is excellent for plugging dam walls with tree root damage. It is effective with crab holes, though extra support may be needed for large crab holes, such as placing a specialised soil and clay mixture and/or stones before applying the product. Contact us for guidance and support, as each leak is unique and should be treated as such.

## How long does it take to work?

On average, you should observe a reduction in water loss within 3 to 7 days of application. If you don't notice a significant change in water loss over 14 days, additional treatment may be necessary. An aggressive and challenging leak may require some extra assistance by using debris and/or stones, together with the introduction of a clay and soil mixture packed into the leak. This will help bind the polymer. Contact us for guidance.

## How safe is **DAMFIX Wet**?

**DAMFIX Wet** is a combination of synthetic and natural polymers designed to seal leaks without risk to the dam's natural plant and animal life.



# COVERAGE & PRICES



Size

**5L**

Weight

**4.5kg**

Estimated Coverage

**87.5m<sup>2</sup>**

Price VAT incl.

**R2625**

Price per m<sup>2</sup> VAT incl.

**R30**



Size

**20L**

Weight

**16kg**

Estimated Coverage

**350m<sup>2</sup>**

Price VAT incl.

**R8750**

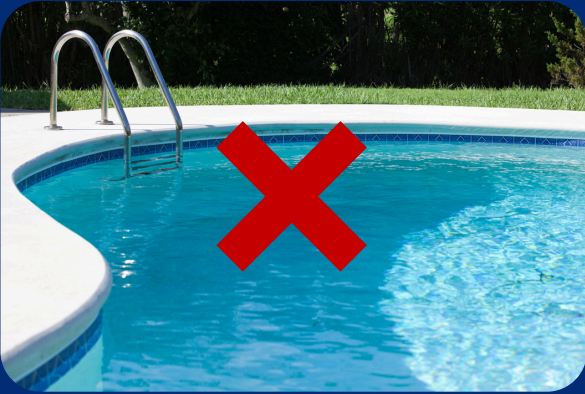
Price per m<sup>2</sup> VAT incl.

**R25**

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

# A BIG NO-NO!

**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**



**HEAD OFFICE  
& MANUFACTURING**



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