



SOUTH AFRICA'S EASY POTHOLE SOLUTION

INFORMATION PACK



**CLEAR POTHOLE.
DROP PATCHPAL™.**

www.PatchPal.co.za



WHAT IS PATCHPAL™

PatchPal™ is a smart, no-fuss solution for fixing potholes. At its core, it's a proprietary biodegradable bag filled a specially designed formulated asphalt mix. But what makes it different is how easy it is to use. There's no need to block off roads, bring in heavy machinery, or go through the hassle of clearing, prepping, and compacting the area. You simply drop the PatchPal™ into the pothole, walk away, and let the traffic do the rest.

As cars drive over it, the pressure naturally compresses the mix, settling it into place without any extra effort. It's designed for people who want a clean, efficient repair without the delays or drama that usually comes with roadwork. Whether it's a residential complex, a private estate, or a business park, PatchPal™ gives property owners and managers an easy way to maintain their roads.

Beyond the convenience, PatchPal™ is also environmentally responsible. The outer bag is biodegradable, meaning it breaks down over time and leaves no lasting waste behind. It's a practical solution for those who care about both performance and sustainability.

PatchPal™ takes the headache out of pothole repairs. No long wait times. No complicated processes. Just drop it in and let life go on. The way it's designed with its proprietary bag, there's no need for extra chemicals such as binders... just let traffic do its work...

WHY PATCHPAL™?

PATCHPAL™

OLD WAY



THAT OLD TOOLKIT
AND HEAVY MIX?

PATCHPAL™

Clean,
drop,
drive,
done.



NO TOOLS NEEDED.
NO MESS. NO STRESS

PATCHPAL™ BECOME A DISTRIBUTOR TODAY.

Why bother with Cold Tar Mix that washes away in rain, plus a stamper, broom, chisel, hammer & gloves?



When you can easily use PatchPal.
DROP DRIVE AND GO.



Are you going to be fixing potholes every day?
Are you in the pothole business? I don't think so.

	Traditional Cold Mix Repair	PatchPal™
Cold Tar Mix	R159.00	R0.00
Tamper	R569.00	R0.00
Broom	R45	R0.00
Chisel	R67	R0.00
Hammer	R50	R0.00
Gloves	R15	R0.00
Time it takes (Est)	60 Mins	Less than 10 Mins
TOTAL	R905.00	ALMOST HALF THE PRICE

APPLICATION.



Drop and go method.

No prep work. No heavy machinery. No stress. Just place the PatchPal™ bag directly into the pothole and walk away. It's that easy. The repair process begins immediately with regular vehicle traffic doing all the work for you. We however do recommend clearing some of the rubble or rocks and water within the pothole before dropping PatchPal™.



Prefilled asphalt with our special biodegradable bags.

Each PatchPal™ is prefilled with our unique asphalt mix, securely packed in a specially designed biodegradable netting created specifically for this application. The netting helps hold the shape and position of the patch until the asphalt settles into the hole, then it naturally breaks down over time, leaving behind a clean fix with no waste.



No need to compact.

PatchPal™ takes away the need for any manual or mechanical compaction. Once you place it in the pothole, everyday vehicle traffic naturally compresses the asphalt into place. The pressure from passing cars forms a solid, lasting repair that bonds with the road surface. There are no tools to bring out and no extra steps to worry about. It works quietly in the background while life carries on.

INSTALLATION.

Step 1: Clean the repair area.

Clear away loose debris, dust, or standing water to ensure a strong bond. A clean surface helps the PatchPal™ bags adhere and last longer.



Step 2: Fill the pothole.

Place PatchPal™ bags directly into the hole, filling it slightly higher (4–5cm) than the road surface. If there is less traffic, we recommend (3–4cm) above road level. This extra height allows for proper settling once traffic drives over it.



Step 3: Ready for traffic.

You can drive a vehicle over the patch immediately to speed up compaction. If not, normal to heavy road traffic will naturally compact the material over time.



Step 4: Done.

Within 2–4 weeks, the patch will fully settle and blend flush with the road. At that point, your repair is complete and long-lasting.





BIG OR SMALL .

**WHETHER THE POTHOLE IS BIG OR SMALL ,
PATCHPAL'S GOT IT COVERED.**

Whether the pothole is big or small, PatchPal™ is built to handle it. Its versatile design makes it the perfect solution for a wide range of private road repair needs. From residential driveways and townhouse complexes to warehouse entrances, shopping center parking areas, office parks, farms, and estate roads, PatchPal™ is ideal for any private or commercial space where road quality matters.

You do not need to be a contractor or road expert to use it. PatchPal™ is made for everyday people who want to take charge of their own road maintenance without waiting on service providers or dealing with frustrating delays. If you have a pothole at the entrance of your home, a sunken patch in your business parking area, or a worn-down section of road in front of your gate, PatchPal™ gives you the power to fix it yourself quickly and easily without any special tools or training.

WAIT, WHAT ABOUT THE RAIN?

PatchPal™ is engineered to work in real-world conditions including rain. Unlike traditional cold asphalt mixes that fail when moisture is present, PatchPal™ uses compression-activated interlocking physics, meaning water does not interfere with performance. Whether the pothole is damp or has shallow standing water, PatchPal™ still compacts into a dense, long-lasting repair. Simply remove excess water if it's deeper than a few centimetres, drop PatchPal™ in, compact, and you're done.



PatchPal™



Each bag comes prefilled and ready to use. Simply place it into the damaged area and let regular traffic do the rest. As cars or delivery vehicles pass over it, the pressure naturally compresses the mix into a smooth and solid surface that blends into the existing road.

For the best results, it is recommended to remove any standing water and debris from the pothole before placing PatchPal™. Although the asphalt mix is designed to perform well in a variety of conditions, a dry surface allows for stronger bonding and a longer-lasting repair. A simple sweep or towel is more than enough to ensure the material sets well.

PatchPal™ is especially helpful in places where traditional road repairs are too costly or difficult to arrange. It is a great solution for residential estates that handle their own maintenance, busy logistics hubs with high traffic, or homeowners who are tired of reporting the same pothole without seeing action. PatchPal™ puts the solution in your hands. It is a clean, reliable, and low-maintenance fix that works when and where you need it most.

“EVERY SINGLE MORNING I SEE THE SAME POTHOLE INSIDE OUR COMPLEX. I’VE REPORTED IT, ASKED AROUND, EVEN OFFERED TO PAY SOMEONE TO FIX IT, BUT NOTHING GETS DONE. IT’S RIGHT THERE, POTENTIALLY DAMAGING TYRES AND ALWAYS IN THE WAY. I’M HONESTLY TIRED OF WAITING FOR SOMEONE ELSE TO CARE.”

TECHNICAL SPECS.

PatchPal™ Biodegradable Netting - Product Specifications

The following specifications are provided in collaboration with our specialised netting supplier and reflect typical performance values under controlled laboratory conditions. PatchPal™ does not present these as internal test results, and local certification is currently in progress. The biodegradable netting is a core component of the PatchPal™ system, designed to hold the asphalt mix securely under traffic load while naturally breaking down over time, leaving no waste or environmental impact.

Material Performance

Density: 1.278 g/cm³ (ISO 1183-1:2019 Method A)

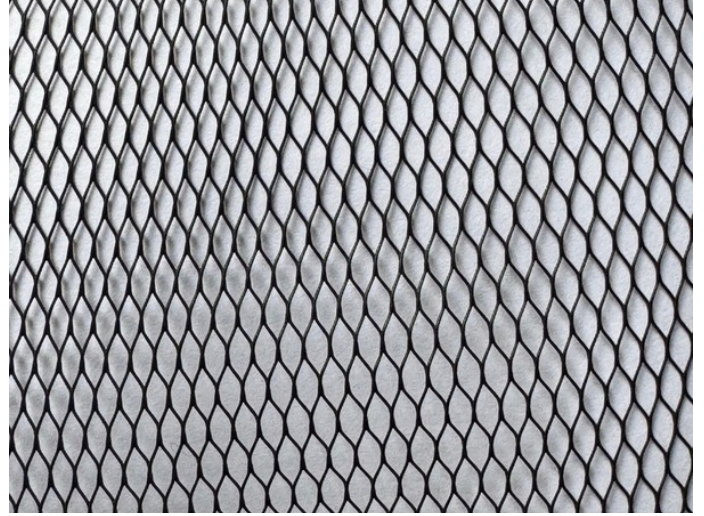
Melt Mass Flow Rate: 2.96 g/10 min (ISO 1133-1:2011 Procedure A)

Maximum Tearing Force: 23 N (ISO 34-1:2015 Method A)

Maximum Breaking Force: 351 N (ISO 527-1:2019 and ISO 527-3:2018)

Sustainability and Certifications

The netting is produced by a leading manufacturer of biodegradable materials and is engineered to maintain structural integrity during compaction before breaking down fully into water and carbon dioxide. The production facility is certified under ISO 9001:2008 and ISO 14000. The material itself carries global compostability certifications including TUV Austria OK Compost (home and industrial), DIN CERTCO EN 13432, and BPI ASTM D-6400.



PatchPal™ Technical Specification Pack

Distributor Edition · Combined Technical + Comparisons

Prepared: 03 Nov 2025 · Tested by Specialised Testing Laboratory (PVT-544) · Standards: SANS 3001 / AASHTO / ASTM

Grading & Density

Engineer View

Binder Content: 3.2%
Marshall Density: 2436 kg/m³

MVD: 2704 kg/m³ **Air Voids:** 9.9%

Stability: 6.3 kN **Flow:** 2.5 mm

ITS: 421 kPa

PVT-544 (Cold Mix BC & Grading) · SANS 3001;
TMH1 methods as listed in report · Test Date:
23 Oct 2025

Plain Language

The mix has a strong stone skeleton and the right amount of binder. It packs tight under traffic and resists cracking or squishing out.

At a Glance

Takeaway: strong enough for heavy traffic, flexible enough to last.

Modified Lottman (ASTM D4867)

Engineer View

TSR: 0.95 **Avg Tensile (Dry):** 769 kPa

Avg Tensile (Conditioned): 734 kPa
Air Voids: 7.6%

PVT-544-4088 Lottman · Standard: ASTM D4867

Plain Language

TSR compares strength after wetting to dry strength. At 0.95, PatchPal™ keeps 95% of its strength after water exposure.

At a Glance

Takeaway: reliable in wet or dry weather.

Hamburg Wheel Tracking (AASHTO T324)

Engineer View

Rut Depth @ 20,000 passes: 3.04 mm
Air Voids: 7.21%

Compaction: Gyratory

PVT-544-4088 Hamburg · Standard: AASHTO T324 · Test Date: 31 Oct 2025

Plain Language

3.04 mm rut depth after repeated loading. The patch keeps its shape and avoids grooves.

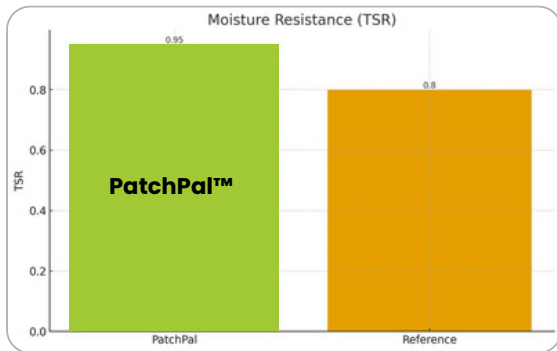
At a Glance

Takeaway: high resistance to deformation.

PatchPal™ vs Typical Reference

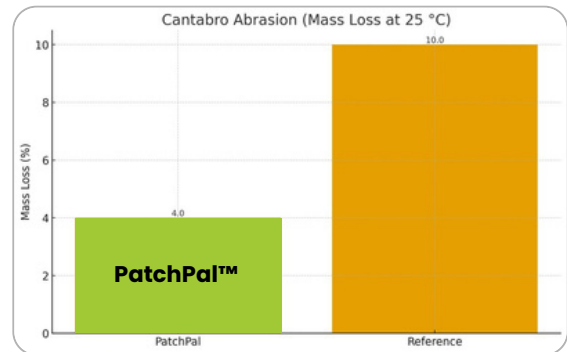
Comparisons

Moisture Resistance (TSR)



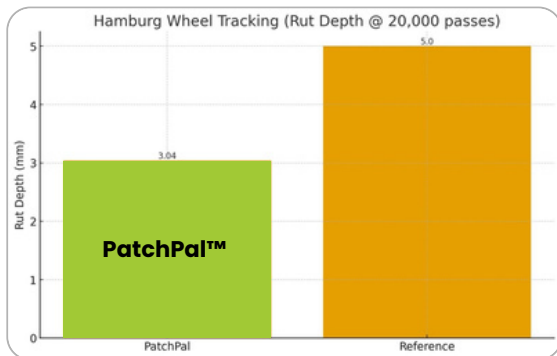
Higher is better. PatchPal™ at 0.95 exceeds the common 0.80 benchmark.

Cantabro Abrasion (Mass Loss at 25 °C)



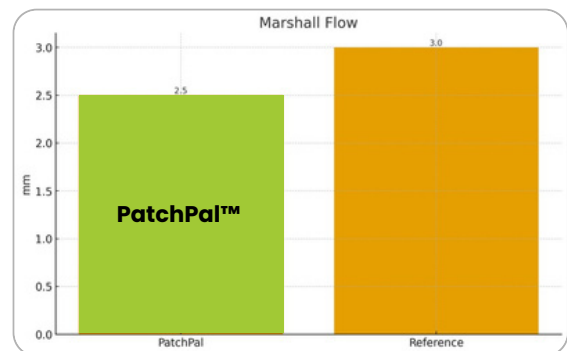
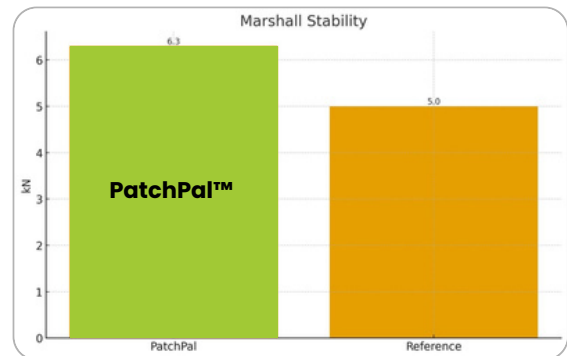
Lower is better. 4% vs 10% indicates strong resistance to raveling.

Hamburg Wheel Tracking



Lower is better. 3.04 mm vs 5.0 mm shows less rutting under repeated loads.

Marshall Results



Higher stability means stronger load capacity. Lower flow means less plastic deformation.

WHO ARE WE?

PatchPal™ didn't begin as a product, it began as a problem.

When Jaraad and Karl first started repairing potholes manually, they saw exactly what South Africans see every day: leaking bags of cold mix asphalt, messy installations, poor compaction, wasted product, and repairs that fail within weeks.

The idea for a bagged, clean, single-use, high-performance pothole repair system was born, but turning that idea into a real, engineered solution required expertise.

That's when the broader PatchPal™ team came together.

Jaraad Hassim, with years of commercial and operational leadership, pushed the vision forward and proved the economics behind a scalable retail-ready solution.

Karl Lee engineered the brand, the consumer experience, and the powerful storytelling that now drives retailer and distributor demand.

Zakariyya Adamjee, drawing on 15+ years across complex supply chains and Chemical Engineering, developed the system that could take PatchPal™ from a backyard experiment to mass production in a warehouse environment.

To ensure PatchPal™ wasn't just convenient, but engineering-grade, two specialists joined the product development team:

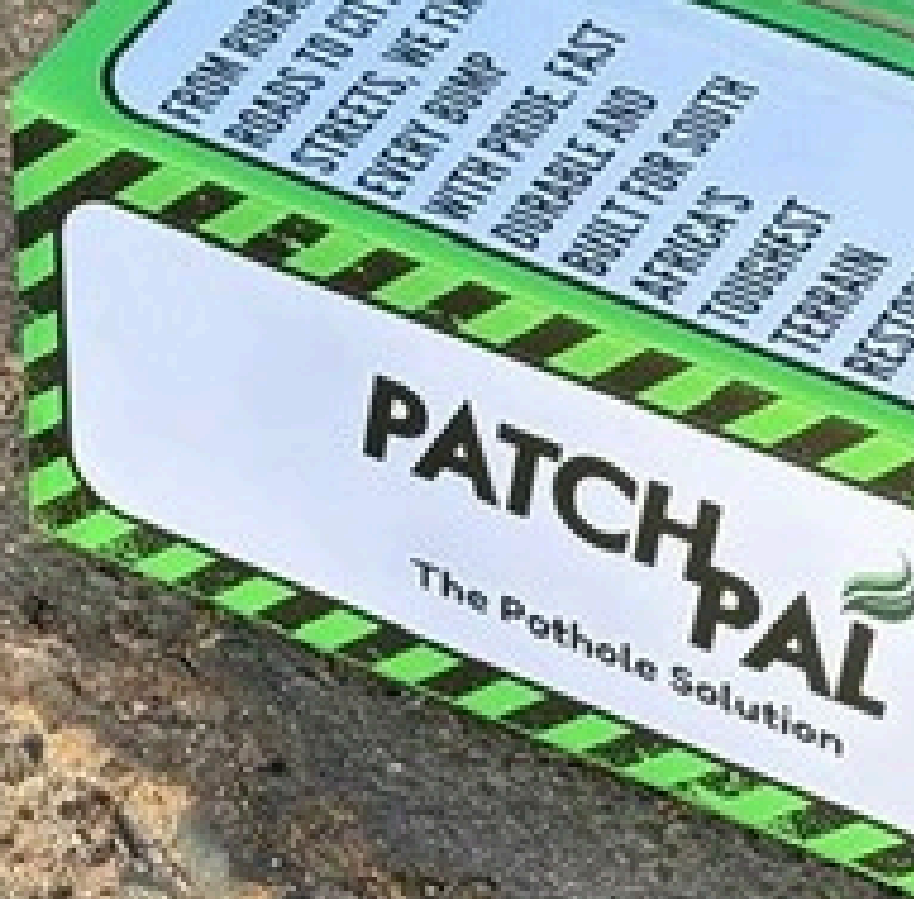
Owais Chohan, a Geotechnical & QA/QC Engineer, introduced advanced testing frameworks used in construction materials science. He validated how PatchPal™ behaves under compaction, load, heat, moisture, and real road conditions.

Uzair Dudhia, a Structural & Materials Engineer, conducted structural modelling, durability simulations, and field assessments to ensure PatchPal™ outperformed standard cold asphalt on stability, failure resistance, and long-term performance.

Together, the team combined engineering, materials science, supply chain, and product design to create a pothole repair solution that:

- Activates under pressure,
- Compacts cleanly and efficiently,
- Requires no binder, no heating, no equipment, and
- Performs better than traditional cold mix options on the market.

PatchPal™ is not just another DIY product, it is a South African engineered system, built from the ground up by specialists, tested under professional QA/QC standards, and refined by real engineers with real field exposure.



**ENOUGH IS ENOUGH.
IT'S TIME
FOR A MOVEMENT.**