



Microdot Compliance Checklist for Vehicle Owners

Prepared for Potential Clients

Microguard Fitment Centre	Tel: 062 042 0867
26 Beatty Avenue, Witbank, 1035	Website: www.mfcmp.co.za

I. Introduction: The Mandate of Microdot Compliance

The widespread threat of vehicle theft and the illicit trade in stolen parts necessitated a robust, forensic solution. In South Africa, the fitting of microdots transitioned from a voluntary security measure to a **statutory requirement** for specific vehicles, reinforcing national efforts to combat crime.

Microdots are microscopic polyester particles, typically smaller than 0.5mm, that are inscribed with the vehicle's unique identification number (VIN) and a unique PIN. These dots are suspended in a clear adhesive and sprayed onto hundreds of random locations on a vehicle. Because they are covert, durable, and highly pervasive, they provide an **incontrovertible identity mark** even if the visible VIN plates and engine numbers are removed or tampered with by "chop-shops."

This document serves as a comprehensive guide and compliance checklist for vehicle owners, outlining the relevant South African legislation and the critical elements of a compliant microdot fitment.

II. Legislative Framework and Key Concepts

Microdot compliance in South Africa is governed by the **National Road Traffic Act, 1996 (Act No. 93 of 1996)**, and its associated regulations.

2.1 The Core Legislation

The legal requirement for microdot fitment is stipulated in the regulations under **Chapter V: Fitness of Vehicles** of the National Road Traffic Act.

Legislation Detail	Description
Act:	National Road Traffic Act, 1996 (Act No. 93 of 1996)
Relevant Section:	Regulation 56 (Identification of motor vehicles)
Key Subsection/Regulation:	Regulation 56(1)(g)
The Mandate:	This regulation requires that the identification mark of a motor vehicle (manufactured, rebuilt, or imported after a specific date) " shall include microscopic dots of



Legislation Detail	Description
	1.0mm or less in diameter which contain information unique to the vehicle, affixed in not less than 100 different locations on the vehicle." (Note: Industry standard often uses smaller dots and far more application points for enhanced security.)

2.2 Microdot Application Requirement Dates

The mandatory application of microdots applies to:

1. **All new vehicles** registered for the first time in South Africa **on or after 01 September 2012.**
2. **All imported vehicles** registered for the first time in South Africa **on or after 01 September 2012.**
3. **All rebuilt vehicles** that require a new Police Clearance or Vehicle Identification Number (VIN) **on or after 01 September 2012.**
4. Vehicles requiring **Police Clearance** for change of ownership or registration status (e.g., following repair after a write-off).

2.3 Key Microdot Data Requirements

To be legally compliant and effective, the microdots fitted to your vehicle must contain the following encoded information:

- **VIN-Based:** The full 17-character **Vehicle Identification Number (VIN)** of the vehicle.
- **PIN-Based:** A unique **Personal Identification Number (PIN)** specific to the microdot manufacturer's database, linked directly to the VIN and the owner's details.

III. Microdot Compliance Checklist

This checklist confirms that your vehicle's microdot fitment is legally compliant and meets the rigorous standards required for vehicle identification and crime prevention.

Checkpoint	Requirement Details	Status (Client Use)
1. Mandatory Vehicle Type	Is the vehicle new, re-registered, rebuilt, or requiring a Police Clearance after 01 September 2012 ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Fitment Centre Accreditation	Was the microdot application performed by a duly registered and accredited fitment centre (like Microguard Fitment Centre), as overseen by the relevant authorities?	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
3. Dot Specification	Were the microdots used in diameter, as per Regulation 56(1)(g) ? (Most accredited suppliers use).	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
4. Application Quantity	Were the microdots affixed in not less than 100 different locations on the vehicle? (Accredited centres typically apply thousands across 50+ component types).	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
5. Data Encoding (VIN)	Do the microdots contain the correct, full 17-digit VIN that corresponds to the vehicle's registration papers?	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
6. Data Encoding (PIN/Trace)	Does the microdot system contain a unique, traceable PIN to link the dots to the manufacturer's secure database?	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
7. Official Documentation	Is an official Certificate of Microdot Fitment or equivalent documentation provided, detailing the date of fitment and the encoded number?	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant

Checkpoint	Requirement Details	Status (Client Use)
8. Database Registration	Has the unique microdot data been uploaded and successfully registered on a central national database (often linked to the eNatis system)?	<input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
9. Deterrent Markings (Optional but Recommended)	Are the visible Warning Decals or stickers (often applied to windows) correctly displayed to deter potential thieves?	<input type="checkbox"/> Yes <input type="checkbox"/> No

IV. Benefits of Compliant Microdot Installation

A compliant microdot installation is not merely a formality; it is a powerful anti-crime tool that offers significant advantages to the vehicle owner:

4.1 Unquestionable Proof of Ownership

If a stolen vehicle is stripped ("**chop-shop**" operation), the original VIN is typically destroyed. However, the microdots, applied covertly to numerous components, provide **irrefutable forensic evidence** that links every part back to the original vehicle and its lawful owner. This is crucial for successful vehicle recovery and prosecution.

4.2 Crime Deterrent

Vehicle theft syndicates are aware of the microdot mandate. A microdotted vehicle becomes a **less desirable target** because the parts become "too hot to handle" and extremely difficult to sell on the grey market without risk of detection by police conducting microdot spot checks.

4.3 Insurance and Value

Insurers recognise microdots as a significant risk-reduction feature. A documented, compliant microdot installation can lead to:

- **Smoother Claims Processing:** Providing the microdot certificate simplifies the process of confirming the vehicle's identity in the event of theft or recovery.
- **Potential Insurance Benefits:** Some insurance products may offer reduced premiums or excesses for vehicles with compliant security features.
- **Enhanced Resale Value:** A vehicle that is fully compliant with national security standards holds a stronger perceived value in the second-hand market.



V. Conclusion

Microdot fitment is a cornerstone of vehicle security in modern South Africa, mandated by law to protect both vehicle owners and the integrity of the national vehicle register.

By adhering to the checklist provided and ensuring your fitment is performed by an accredited provider like Microguard Fitment Centre, you guarantee **full legal compliance** under **Regulation 56(1)(g) of the National Road Traffic Act, 1996**, and equip your vehicle with a powerful, covert defence mechanism against crime.

For professional fitment, verification, and certification, contact us today.

Microguard Fitment Centre

The Standard in Vehicle Identification and Protection