



EUROREPAR

BRAKING

# Brake pads

**90%** Coverage rate

Noise reduction systems and anti-vibration plates



EFFECTIVENESS TESTED

FROM **-30°C**  
TO **+500°C**

**ECE - R90**

Ref ERP 1617272980

ISO 9001

ISO TS 16949

## PRODUCT ADVANTAGES

- Performance-tested for all conditions of use.
- Optimised friction materials for each vehicle application.
- Noise reduction system adapted to each vehicle.



## CONTENT OF THE KIT

- **4 pads with installation accessories** (pre-coated bolts, wear indicators on some versions).
- **Installation instructions** (FEMFM: Federation of European Manufacturers of Friction Materials)

## TECHNICAL CHARACTERISTICS

The performance of the brake pads has been tested at between -30°C and +500°C, on test systems equivalent to those used for the original part.

- Braking efficiency tests: AK Master
- Noise tests: AK Noise

A noise reduction solution optimised for the version (rubber/metal multi-layer shim, etc.).

Optimised friction materials for each vehicle application.

## CONDITIONS FOR REPLACEMENT

- Inspection of pads recommended during every service.
- Replace as soon as the wear indicator comes on, or when the friction material is 2 mm thick or less.

## REGULATIONS

- ECE R90 homologated products.
- Heavy metal-free range (compliant with European Directive 2000/53/EC)
- Copper-free range

## DID YOU KNOW?

The pads must be replaced whenever the brake discs are replaced.

Our parts are guaranteed for **2 years\***



**SECURE LABELS**

Avoids any risk to fake parts and guarantees their quality.



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Our parts are guaranteed 2 years\* against any manufacturing or material defect\*\*.

(\*) For Citroen, DS, Peugeot, Euro Repar Car Service repair networks: the warranty runs for 2 years, parts AND labour included.

(\*\*) For the conditions of application, contact your dealer.



## STOPPING DISTANCE

The friction materials on Eurorepar brake pads are chosen for their **performance and endurance** to **guarantee maximum safety under any conditions**.

They ensure consistently effective stopping distances and prevent fading (a reduction in braking power that can occur following repeated or prolonged use of the brakes, particularly with heavy loads and/or at high speed).

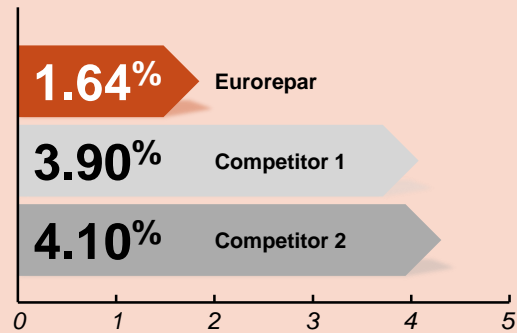


## NOISE

Noise and vibration issues can occur as a result of the complex interaction between the various components of the braking system. The brake pads are the main cause of these issues.

That is why Eurorepar brake pads are equipped with **high-performance noise reduction systems that use special anti-vibration shims and plates**. The acoustic performance of the pads is verified during the design phase using a series of laboratory tests. Abnormal disc wear, rust or worn callipers can also cause noise and vibration during braking.

### NOISE OCCURRENCE (% ABSOLUTE)



AK Noise test, ATE calliper - Ref ERP 1617272980



## WEAR

During braking, the loss of material caused by the friction between the disc and the pads eventually leads to thinning of the pads.

Eurorepar brake pads are chosen for their **robustness** and offer a **good balance between wear on the pads and discs**.

## EXAMPLE OF PAD COMPOSITION

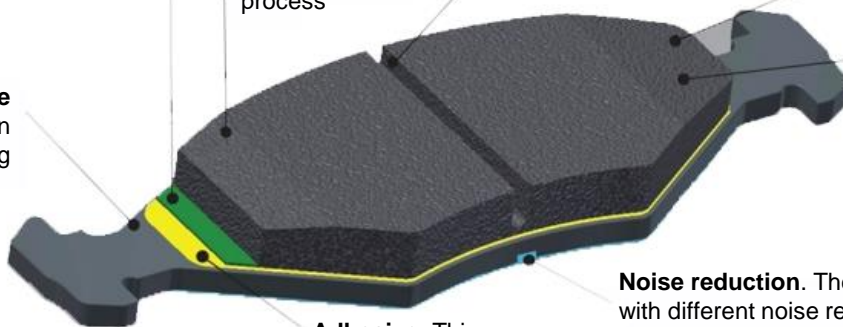
**Underlayer.** A layer of friction material with a high resin content. This increases the bond strength with the back plate and reduces the transfer of heat to the brake fluid.

**Chamfer.** Reduces noise during the "bedding-in" process

**Slot.** Allows the pad to flex under pressure to prevent the friction material from cracking

**Friction material.** Eurorepar uses different friction materials to comply with the performance requirements of each vehicle application.

**Backing plate**  
This component has an anti-corrosion coating



**Adhesive.** This bonds the underlayer to the backing plate

**Noise reduction.** The backing plates can be equipped with different noise reduction systems: rubber coating, metal shim, multi-layer shim, etc.

To obtain **ECE R90 certification**, the pads must undergo a series of tests on the vehicle as well as physical tests. The following criteria are evaluated:

- **Safety tests:** hot friction coefficient, average friction coefficient, static friction coefficient (parking brake), speed-dependent friction coefficient
- **Physical tests:** compressibility, shear strength, heat transfer



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