EUROREPAR
BY STELLANTIS

# BRAKE PADS

BRAKING



Latest update : 03/2026

**Noise reduction systems and anti-vibration plates**



**ECE - R90**

## PRODUCT ADVANTAGES:

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

With a range of 700 products to cover 90% of the European fleet in circulation, the Eurorepar brake pad has been developed to meet the market's needs.
The range is adapted to suit electric vehicles.

Sitting between the brake discs and the calliper piston, the brake pads are the most sensitive friction components in the braking system.

This is why we pay great attention to parts which can present a safety risk. The tests carried out on these parts by the supplier are approved by the engineering division of the Stellantis Group.

### DID YOU KNOW?

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

### CONTENTS OF the 4 PAD set

Our pads are sold in sets of 4, along with the assembly instructions (FEMFM: Federation of European Manufacturers of Friction Materials).

**NEW**

**Pad accessories:**
Sliders, springs and wear indicators are sold in separate kits. They are offered alongside a specific product reference when brake pads are purchased.



### 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

### 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

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Our parts are guaranteed 2 years* against any manufacturing or material defect**.
(*) For Peugeot, Citroën, FCA, DS, Opel, Vauxhall, Eurorepar Car Service repair networks: the warranty runs for 2 years, parts AND labour included.
(**) For the conditions of application, contact your dealer.

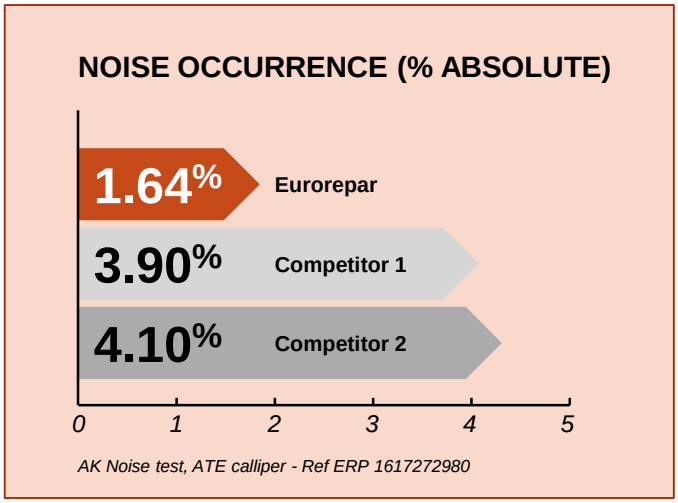
(*) Avoids any risk to fake parts and guarantees their quality.

## 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 because 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.




## 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

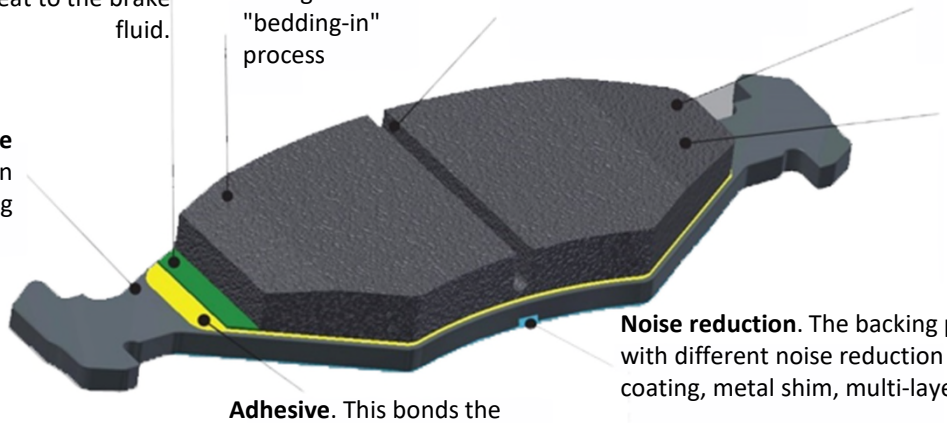
**Underlayer**. A layer of friction material with a high resin content. This increases the bond strength with the back plate and reduces the transfer of heat to the brake fluid.

**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



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

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

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