

**FERODO®**

# MEETING THE **BRAKING** **DEMANDS** OF ELECTRIC & HYBRID VEHICLES

TECHNICAL  
INFORMATION

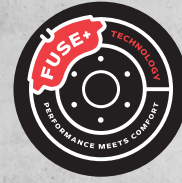
**FUSE+**  
**TECHNOLOGY**

**ECO**  
**FRICTION**



[www.ferodo.com](http://www.ferodo.com)

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# REQUIREMENTS

## THE BENEFITS OF THE FERODO RANGE

- One range to stock
- Simple choice for installers
- Suitable for electric, hybrid, petrol and diesel vehicles

## LOWER WORKING TEMPERATURES



As EHV's rely on regenerative braking most of the time, general braking temperatures are lower than on an internal combustion engine vehicle (typically below 100°C).

▼ FERODO friction materials give excellent cold friction performance making them perfectly suited to low temperature braking whilst still offering excellent stopping power at high temperatures when required.

## CORROSION CLEANABILITY



A lack of mechanical braking leads to a build-up of rust on the friction surfaces.

▼ FERODO materials are formulated to efficiently remove corrosion.

## HEAVYWEIGHT PERFORMANCE



EHV's weigh more. This means that the brake system has a higher performance requirement. This is particularly relevant under emergency braking or when the batteries are fully charged

▼ By design, FERODO brake pads offer excellent stopping power at higher duty levels.

## STRINGENT REQUIREMENTS FOR NOISE, VIBRATION AND HARSHNESS



EHV's are quieter than their ICE counterparts. This means that noises such as creep groan, grunt and some high frequency sounds which are generated during a brake application are now more evident to drivers.

▼ FERODO brake parts deliver excellent noise performance, suitable for electric and hybrid vehicles.

## FRICTION STABILITY



Most of the time the traditional braking system is only used sporadically and at lower temperatures.

▼ FERODO compounds are compliant and stable under a wide range operating temperature range.

## STICTION AND CORROSION



Pads and discs are more prone to stiction and corrosion due to the predominant use of regenerative braking. Brake systems need to be adapted to compensate for this behaviour.

▼ FERODO compounds offer excellent resistance to both stiction and corrosion.