

Leca® STOPSAFE

Increased safety in vehicle arrestor beds and run-off traps



Leca® STOPSAFE is a high-performance vehicle-arrestor material designed to safely decelerate vehicles in critical trackside areas and safety traps. Its unique combination of rapid energy absorption and controlled resistance brings vehicles to a stop in shorter distances while reducing the risk of rollover and damage.

The material is weather-proof, and its non-compacting, porous structure ensures consistent performance over time. Leca® STOPSAFE is a reliable, cost-efficient and low-maintenance solution. Additionally, the material is fireproof, lightweight and has excellent drainage and thermal stability.

Leca® STOPSAFE improves safety

- Reduces stopping distance through energy absorption
- Reduces risk of injury from controlled deceleration and lower impact force
- Reduces vehicle damage and rollover risk

Conventional materials have changed little over time, offering limited braking performance and high impact forces. Leca® STOPSAFE is an innovative alternative.

Key advantages

- Increased driver safety
- Softer deceleration before stop
- Reduced vehicle and engine damage
- Enables adjustable trap-designs
- Low maintenance, long service life
- Draining, fire- and frost-resistant



LESS IMPACT.
LOWER
INJURY RISK.

Proven performance

Leca® STOPSAFE has been tested and implemented at prominent racing circuits in Europe, and is trusted by leading racetracks:

Norsk Dragracing Gardermoen (NDRG), Norway

NDRG is a nationwide motorsport organization and the main organizer of drag racing in Norway.

Karlskoga Motorstadion, Sweden

The oldest permanent racetrack in Sweden and one of the country's most important motorsport venues.

Anderstorp Raceway, Sweden

The FIA-approved installation, 30 cm deep, stops a standard car from 140 km/h in just 26 metres (~3G deceleration). By comparison are sand traps are ~1.1G and typical road braking: <0.9G

Silverstone Circuit, UK

Legendary motor racing track in England that hosts the Formula 1 British Grand Prix. It is one of the world's oldest tracks and known as the "Home of British Motorsport".

Lotus Cars test track, UK

Demonstrated efficient energy absorption with reduced risk of rollover and vehicle damage.

Applus IDIADA, Spain

Adopted and expanded use in one of Europe's leading automotive testing facilities, confirming long-term reliability.

A safer, smarter alternative

Compared to sand-, tyre-, water- or net-based solutions, Leca® STOPSAFE used in arrestor systems offers a more predictable and controlled stop, improving safety while reducing damage to vehicles. The material is durable and enables highly practical designs and low-maintenance solutions.

Leca® STOPSAFE key characteristics

- Grain shape: Round
- Grain size: 10-20 mm
- Density: ~250 kg/m³
- Compressive strength: >750 kPa (CS10, EN 15732:2012)





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