

ENHANCED ROAD SAFETY

# HIGH FRICTION SURFACING

Effective road safety surfacing measures for highway engineers

High friction surfacing (HFS) also known as anti-skid is one of the most effective road safety surfacing measures to decrease accidents while also increasing user safety. Designed specifically to reduce braking distances and skidding, high friction surfacing is proven to reduce accidents and save lives.

## AREAS OF APPLICATION

Highways



Junctions



Pedestrian Crossings



Traffic Calm Zones



# EXPLORE HOT AND COLD APPLIED HIGH FRICTION SURFACING

The SWARCO Road Marking Systems portfolio offers both hot and cold applied high friction surfacing solutions. Our hot applied system is comprised of rosin ester thermoplastic and our cold applied system uses either Epoxy or MMA (methyl methacrylate).

## Hot applied



Hot applied HFS involves heating a modified thermoplastic binder to a high temperature. The heated binder is then mixed with high-quality calcined bauxite aggregate, the product is then spread across the road surface using a hand applied road marking shoe.

## Cold applied



Cold applied HFS can be achieved through several different solutions including epoxy-based resins and methyl methacrylate (MMA) resins. The resin is applied using a squeegee and then the calcined bauxite aggregate is brushed evenly across the surface.

## Characteristics

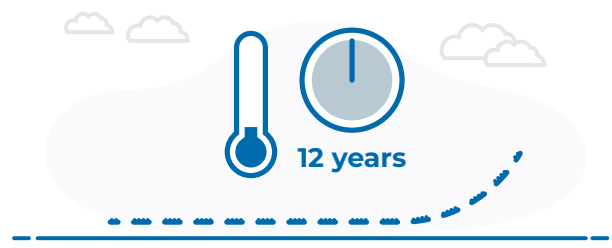
- Provides excellent bond strength to the road surface
- Highly durable and resistant, suitable for high-traffic areas
- Faster curing time, allowing for quicker road reopening

## Characteristics

- Safer application, as it does not involve heating materials
- Reduced energy consumption during application
- Offers a smoother finish compared to hot applied HFS



8 YEARS – the average service life of a hot applied high friction surfacing system.



12 YEARS – the average service life of a cold applied high friction surfacing system.



For more information about high friction surfacing, simply scan this QR code!