

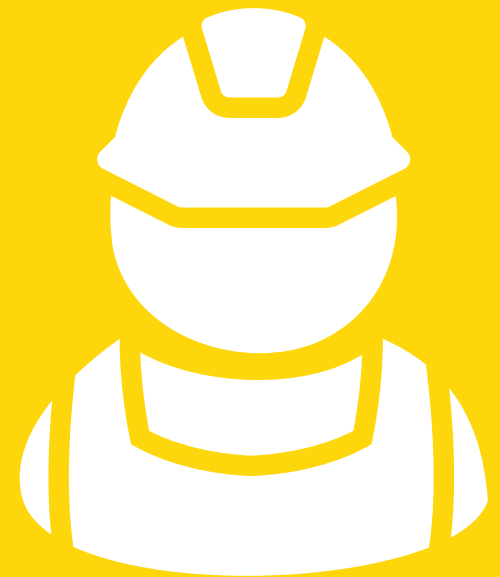
Key Flooring Considerations for:

AUTOMOTIVE ENVIRONMENTS



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Before specifying flooring in new-build or refurbishment automotive plant projects, it is important to consider the day-to-day abuses faced in this kind of environment...



Flooring in automotive facilities are subject to a range of potential hazards, including...



**CHEMICAL ATTACK FROM
OILS, PAINTS ETC.**



**PLANT MACHINERY &
DROPPED TOOLS**



**HIGH TEMPERATURE
PROCESSES (E.G. WELDING)**



**HEAVY WHEELED TRAFFIC
& TYRE MARKINGS**



**STRINGENT CLEANING
REGIMES**



**SLIP & SAFETY
HAZARDS**

Spillages of oil, fuel, lubricant, cleaning agents and brake fluid as well as body-shop paint run off can cause surface erosion and floor failure.



Direct exposure of battery acid and even more mild acids over concrete surfaces will react with the lime in the concrete, generating a chemical reaction that can cause rapid surface erosion.



Improperly specified flooring
can weaken significantly
under heavy plant machinery
or equipment and be
damaged by dropped tools.



During hot processes, such as welding, incorrectly specified flooring can be damaged by sparks landing on the surface.



Naturally, the floors in automotive plants are subject to heavy wheeled traffic. Flooring can be damaged by sustained abrasion, or left with stubborn tyre marks.



With various stations,
machines and other
obstacles, automotive
plants can be littered with
potential trip hazards.



Combined with spillages of oils and fuels, slips and trips can become a very real problem.



Cracks are commonplace with concrete surfaces, rendering them unsightly while also making them difficult to clean, with more severe cracks being costly to repair.



Flowcrete's range of durable, high performance resin flooring solutions provide an ideal finish for automotive plants, workshops, bodyshops, service areas and showrooms.



Durable resin floor finishes
withstand abrasion,
sustained pedestrian
and vehicular traffic,
impact and heavy loads.



The flexibility of resin flooring dissipates stress on the floor, increasing the load bearing limit of the substrate below.



Aggregates can be broadcast into resin floor finishes to increase traction and improve slip resistance.



What's more, the seamless application of resin flooring and its compatibility with coving and drainage systems make them perfect for car wash and service areas.



Flowcrete's resin flooring systems are resistant to a range of agents, including...



**BATTERY ACID
& SOLVENTS**



**ANTIFREEZE
SOLUTION**



**ENGINE
OIL**



**PETROL
& DIESEL**



**BRAKE
FLUID**



**CLEANING
PRODUCTS**

Navigation and zoning can be easily achieved with Flowcrete's resin flooring solutions, owing to their bright, varied colour palettes and compatibility with linemarking.



Resin flooring can be installed quickly, even over existing surfaces if required, to provide a speedy return to service.



What's more, fast-cure methyl methacrylate finishes are also available to further improve construction schedules.



While alternative flooring technologies may require significant repair or replacement, FeRFA advise that if installed and maintained correctly, resin flooring can achieve a lifecycle of over 20 years.





For more information on flooring for automotive facilities, get in touch with the Flooring Experts.



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