



SURFACE  
PREPARATION





# SURFACES FOR ALL PURPOSES

SURFACE PREPARATION IS THE 'KEY' TO A SUCCESSFUL FINISH

When specifying floor finishes such as resin flooring systems there are many considerations to be made about the substrate, such as its capability of withstanding structural, thermal and mechanical stresses. Another consideration which cannot be overlooked is the surface preparation method which is critical to ensure a strong and lasting bond is created between the substrate and the floor finish.

TPS Flooring Solutions is able to specify and provide the correct preparation method to suit the substrate and floor finish. With our own equipment and FeRFA trained preparation specialists we provide this service in-house to reassure our clients by providing the complete package of works.

Installers of:



TPS Flooring Solutions is invested in a fleet of surface preparation machines providing the capability for diamond grinding, shot blasting, scabbling/planning and stripping.

Our machinery is selected to ensure we are operating the latest technology to reduce the risks of harm from dust exposure and hand/arm vibration to our operatives and others who may be affected by our works.

Our in-house maintenance team ensure our equipment is always working at its optimum performance to deliver the highest quality of work.



### Diamond Grinding

TPS Flooring Solutions has invested in the latest diamond grinding technology from HTC. We have a fleet of remote controlled diamond grinding machines in a variety of sizes. A rotary preparation machine, highly effective, that leaves none of the tram lines which you can get from the shot blasting process. Low noise levels (64 dB) along with the absence of fumes and dust make it the ideal machine for refurbishment and renovation, offering total reliability. An exclusive range of cleaning and grinding heads has been developed to solve the many problems faced on site. This range includes tungsten carbide, diamond and silicon carbide attachments. Can be operated dust free when connected to a vacuum.



### Vacuum Assisted Shot Blasting

This system will propel an abrasive at a high velocity from a blast wheel onto the work surfaces. The blasting action is contained within a work chamber fitted with a unique combination of seals which ensure efficient recovery of the abrasive via a separation section to the abrasive storage hopper. The linked dust collector ensures a dust-free operation leaving a textured concrete. The substrate is mechanically prepared and will provide a key to all screeds and toppings. Laitance can be removed to yield a tougher and highly acceptable surface.



### Scabbling/Planing

This is a system of flails loosely mounted on a rotating drum which hammer and scratch the surface to obtain the desired effect. You can choose amongst the flail types available, and vary their composition such as: Tungsten Carbide Tip flails for roughening and cleaning concrete and asphalt floors; Beam flails for the removal of paint coatings, Milling flails for soft and hard grade floor materials; Star flails for the removal of rust and scale or Square flails for the removal of brittle and hardened coatings.



### TPS360 can also provide

- Concrete removal and levelling
- Floor channel cutting
- Drainage systems
- Concrete breaking



Resin Flooring



Construction



Polished Concrete



Insulated Panel Systems



Surface Preparation



Specialist Coating Solutions



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