

### Concept

KGS Swiflex® RD technology is **TOTALLY NEW AND UNIQUE TO KGS**. It was developed to create a tool which would, through the use of rotational speed rather than high pressure, give the following benefits:

- Work under a broad range of machines.
- Provide a high polish with low stock removal.
- DRY polishing on “high density” floor materials.
- Polish a broad range of materials.
- Excellent lifetime performance.
- Excellent productivity, as much as 300m<sup>2</sup> per hour on finer grits.
- Reduces total job costs due to high productivity and low abrasive costs.

Extensive development and testing has shown KGS Swiflex® RD Technology provides the following additional benefits:

- Through low pressure, overcome the problem of kaleidoscopic scratching and hot spots when working on resin rich surfaces.
- The ability to final polish cured “Guard” coatings to a very high shine, whilst removing application brush marks.
- With KGS Swiflex® RD Technology it is possible to polish Overlay coatings as thin as 9mm to mirror finish only 24 hours after installation.

### Applications

- Including the very hardest and most dense power troweled surfaces.
- Dry polish the “cream” of new concrete without exposing aggregate.
- Dry polish resin rich Colored and Non Colored concrete without the problem of kaleidoscopic scratches appearing.
- Dry polish Cement Overlays as thin as 9mm within 24 hours of installation.
- Dry polish steps and vertical surfaces.
- Dry edge polishing of rooms to provide a finish to match the main field floor.
- Dry polish Marble, Granite and other natural stones.

### Equipment

The KGS Swiflex® RD technology was designed to work DRY at higher rotational speeds and lower pressures than conventional tools. However, the KGS Swiflex® RD technology delivers exceptional performance using a broad range of equipment available on the market today.

With KGS Swiflex® RD technology the loop backer is only used in conjunction with the KGS edge grinding system.

The KGS Swiflex® RD discs are designed as a DRY “polishing” system for HARD, smooth, level, flat surfaces of concrete, terrazzo and natural stone.

For concrete, this means NEW concrete floors that are made according to specifications for diamond tool polishing, OR, this means old concrete floors that have already been polished, but need renovation. For natural stone this means for marble or soft stones where the surface is flat and level, with no lipage. For granite, we can only recommend the KGS Swiflex® RD BUFF as a final DRY step, after WET polishing.

### Single disc

It has proven to be capable of working very effectively with Single disc machines, 400-500mm diameter with speeds above 300rpm and head pressures from 40kg upwards. **Faster is better!**

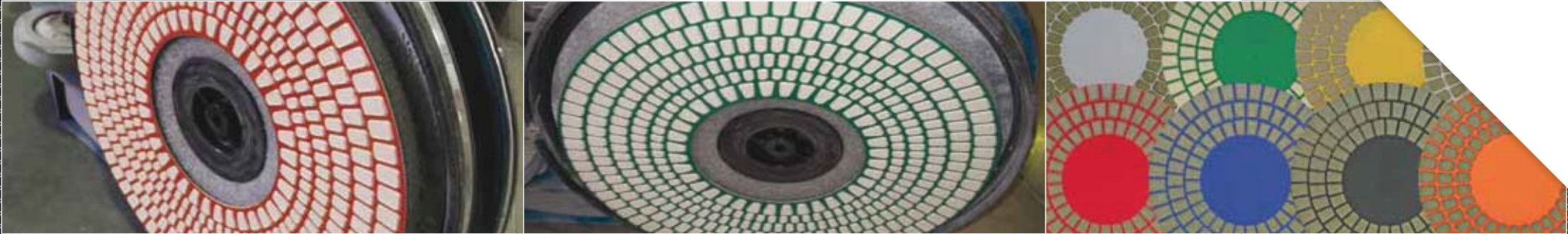
### Planetary Machines

Planetary machines within the following ranges are efficient and effective:

- Individual head diameters (3-4 head) Ø155mm – 280mm
- Head speeds - 800rpm to 1500rpm
- Head pressures - 65kg to 650kg

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**Tips** Use KGS Solid Spacers with KGS Swiflex® RD discs for best polishing quality on smooth, level/flat floors.  
For uneven or undulating floors, use a KGS Flexible Spacer for optimum results.  
KGS Swiflex® RD discs are polishing tools with best results on floors that are already smooth, flat and level.



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### Ultra High Speed Burnishers

KGS Swiflex® RD discs are very effective for mechanical polishing when used under UHS burnishers with more than 10kg of head pressure and head speeds from 1500 to 2500rpm. At this time this effectively means propane powered machines with diameters up to 500mm. KGS Swiflex® RD technology will work at these speeds from 30 grit through to 3000 grit.

For Ultra High Speed Burnisher we advise to use KGS Swiflex® RD disc with Non-Woven Backer.

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