



## TROWEL POLISHING SYSTEM

The fastest way to polish concrete floors

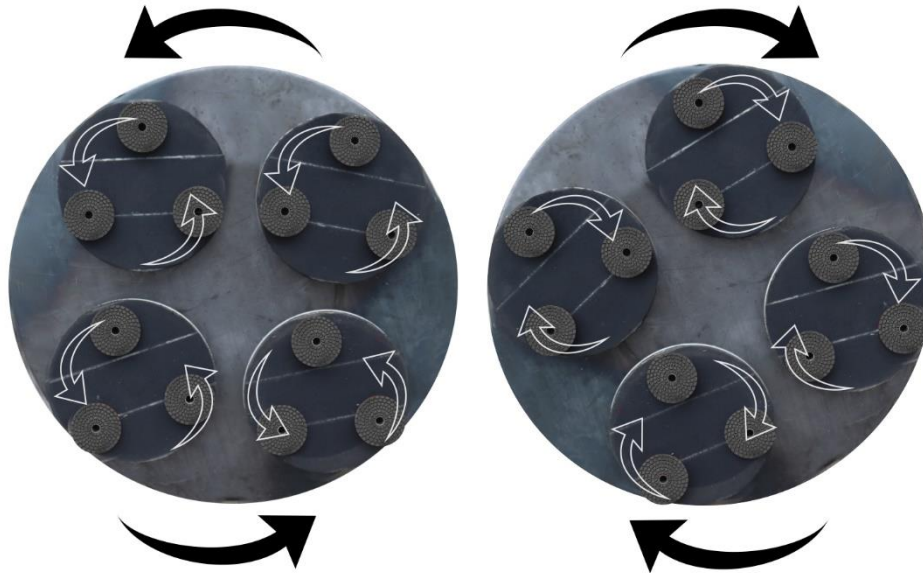
**Surie Porex's** Planetary Trowel Polishing System is designed for polishing concrete with ride-on power trowels and walk behind power trowels and is ideal for use on large industrial and warehousing projects.





## TROWEL POLISHING SYSTEM

### MAIN FEATURES OF OUR TROWEL POLISHING SYSTEM



- **Speed:** Our system is very fast: You can fully polish 10,000 sqft per day per ride-on power trowel.
- **Cost-Effective:** There is no need to buy new machines and equipment. You can use your existing power trowel. All you need is one set of our planetary trowel polishing system and diamond pads.
- **Adaptable:** Our Trowel Polishing System is available in various sizes. This allows it to be used with any ride-on power trowel available in the market. Our system will transform your ordinary power trowel into a planetary concrete polishing machine.
- **Planetary:** Our planetary plates are installed on the floating pans. They have bearings which allow for a free/passive planetary movement.
- **Finishes:** You can achieve various finishes: low, medium or high gloss. You can also achieve various grades of aggregate exposure.
- **Easy:** Our system allows for very easy tool changes with our high quality diamond pads. See our “how to polish” chart below.
- **Balance:** Our system provides balanced movement and even tool wear.



## TROWEL POLISHING SYSTEM

### PLANETARY TROWEL TOOL HOLDERS

Our Tools System are offered in three styles: 355mm Foam Plates with hook and loop attachment for 900mm pans, and 275mm Foam Plates with hook and loop attachment for 750mm pans, 240mm Foam Plates with hook and loop attachment for 600mm pans.



### FITTING THE TOOL PLATES

We supply different diameter pans with pre-installed tool holders but you can also buy our tool plates and install them yourself.

The number of tool plates depends on your power trowel type, floating pans diameter and number of blades. It is recommended to match the number of tool holders to the number of the blades on your power trowel - on power trowel with 4 blades, it is best to install 4 tool holders. Make sure that the tool plates are spaced out evenly and do not stick out outside the trowel pans.



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1- Drill the holes  $\varnothing 12.2$ - $\varnothing 12.5$ mm.



2- Put the pin into hole as shown and tighten with hex nut.





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3- Enter the pin into bearing race and tighten its bearing race screws with long allen key.







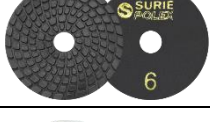





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### HOW TO TROWEL POLISH CONCRETE

Trowel grinding and polishing is usually done wet - a proper slurry management method should be used.

7-Step Trowel Polishing Sequence			
Grit	Function	Description	Photo
0	Coarse Grinding	A good level is a prerequisite for good uniform final finish. Improper first grinding with '0' will lead to a patchy finish.	
1	Fine Grinding	Minor level differences and the scratches of the previous step are removed.	
2	Smooth Grinding	This step is essential to remove the scratches of the previous steps.	
	Densify	Use Densi-Hard densifiers to make the concrete hard and dust-free.	
3	Scratch Free Grinding	The concrete will be completely scratch free and will have a nice smooth finish.	
4	Pre Polish	A dull shine will appear but the reflection will be sharp. This is essential for sharp final finish.	
5	Polish	Both colour and sharpness improve substantially after this step.	
6	Fine Polish	This finish would be the final finish. Tube light reflection will be clearly visible and sharp.	
	Seal	Use Stain Protector to give stain protection and a high gloss finish.	



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