



# ABRASIVES CHEMICALS & MACHINES

**FOR** 

## **CONCRETE POLISHING**

& MARBLE, GRANITE, STONE, TERRAZZO, TILE

WE PROVIDE SOLUTIONS





## **ABOUT US**

## Mr. AALOKE SURIE (Founder)

Surie Polex was established in 1985, by our Founder Mr. Aaloke Surie. He is a Mechanical Engineer trained in IIT-Mumbai and RWTH-Aachen Germany. His vision was to become the market leader and provide high quality, innovative and sustainable products that empower our customers.





## Mr. SACHIN SURIE (CEO)

Mr. Sachin Surie is the Chief Executive Officer. He is a Mechanical Engineer from the Ohio State University, USA. He joined the company in 2004 and has 21 years of experience in designing, developing and manufacturing abrasives, machines and chemicals for all types of surfaces.

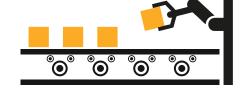
## **SCALE OF MANUFACTURING**



3 Factories



1000+ Employees



10+ Product Lines.



## PRODUCT RANGE

Surie Polex products include Diamond Pads, Diamond Abrasives, Silicon Carbide Abrasives, Floor Polishing Machines, Stone Glues, Epoxy Resins, Polyester Resins, Penetrating Sealers, Densifiers, Hardeners, Waxes and Cleaners for Laying, Installation, Polishing, Protection, Treatment, and Maintenance of Marble, Granite, Concrete and Terrazzo.



## **NETWORK**

Surie Polex has an excellent network of sales and distribution in all parts of India and is now looking to expand its network abroad to sell its extensive range of Granite, Marble and Concrete Polishing products. With complete in-house technology SURIE POLEX is in a position to adapt to different market requirements.





## CONCRETE GRINDING AND POLISHING MACHINES









## CONCRETE GRINDING, POLISHING AND CLEANING MACHINES



Motor 5HP, 3 Phase Working Width 330mm Speed 450rpm Weight 130kg

## **MINI POLISHER**

Motor 1HP, 1Phase Working Width 200mm Speed 400rpm Weight 50kg

## **CONCRETE SCARIFIER** Motor 7.5HP, 3Phase

Drum Width 200mm Cutter 78 Weight 117kg

## 2.5HP SINGLE DISC DIAMOND POLISHER

Motor 2.5HP, 1Phase Working Width 430mm Speed 175rpm Weight 50kg + (12.5X2)25kg



## FPM - 400 FLOOR PREPARATION MACHINE

Motor 5HP, 3 Phase Working Width 400mm Speed 720rpm Weight 130kg

## FG - 400 **FLOOR GRINDER**

Motor 5HP, 3 Phase Working Width 400mm Speed 720rpm Weight 110kg

## HSB - 500/430 HIGH SPEED **BURNISHER**

Motor 5Hp, 3Phase/ 5HP,1Phase Working Width 500/430mm Speed 100-1440rpm Weight 162kg

## HIGH SPEED **BURNISHER**

Motor- 2HP, 1Phase Working Width- 500mm Speed- 100-1500rpm . Weight- 50kg ▮









## **AUTO SCRUBBER**

Power 1600w Voltage 220v/50hz Tank Clean Water 271 Dirty Water 311 Speed 148rpm

## **INDUSTRIAL DUST COLLECTOR 60L, 3 MOTOR**

Power 2000/3000W Voltage 220V Vacuum 250mbar Drum-Stainless Steel Weight 28 kg

## INDUSTRIAL DUST COLLECTOR WITH **SQUEEZE - 80L, 3 MOTOR**

Power 3000w Voltage 220v Vacuum 250mbar Air Flow Volume 120L/Sec Drum Stainless Steel,

## **DUST COLLECTOR**

Motor 5hp, 3phase Voltage 415v Vacuum 300mbar Pressure 300ft3/min Pipe Dia 45mm Weight 170kg









## **CONCRETE LAYING AND POLISHING MACHINES**

## RIDE ON TROWEL POLISHING SYSTEM



### RIDE ON TROWEL 36" SPRT-236LR

Model 36" Low Rider Engine Honda GX690 Working Dia 1870mm Max Speed 150rpm Tank 17 Ltr Weight 280Kg

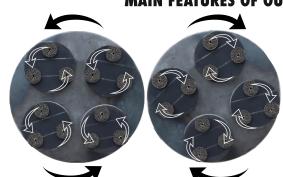


**PLANETARY POLISHING** ATTACHMENT FOR **RIDE ON TROWELS** 



Surie Polex'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.

## 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.

## **PANS**

## PLANETARY TROWEL TOOL HOLDERS

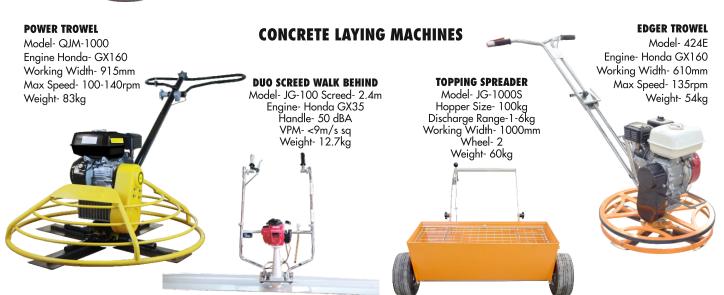






ABRASIVES VELCRO PLATE

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.







## CONCRETE GRINDING METAL BOND DIAMOND ABRASIVES

## **DIFFERENT TYPE OF METAL BONDS**

## CHB FOR SOFT CONCRETE

CHB – Specially designed hard bond metal grinding tool for soft concrete. As soft concrete is more abrasive, these CHB tools give more coverage with lesser abrasion of tool grits.

Available in grit: 25/36/60/120/200.

Concrete type – Soft Floors.

## CHC

## FOR MEDIUM SOFT CONCRETE

CHC is a medium hard bond for grinding of medium soft concrete.

Available in grit: 25/36/60/120/200.

Concrete type - Medium soft floors.

## AH

## FOR MEDIUM CONCRETE

AH- for giving better coverage on medium hard concrete AH is specially designed metal bond tool for free & smooth grinding.

Available in grit: 25/36/60/120/200. Concrete type - Medium Floors.

## CSE FOR HARD CONCRETE

CSE- Specially designed soft bond metal grinding tool for hard concrete. CSE metal grinding tool ensures smooth grinding on hard floors. Available in grit: 25/36/60/

120/200. Concrete Type – Hard Floors.

## **AVAILABLE IN ALL SHAPES FOR SURIE POLEX MACHINES**















DSMA

DSMA PCD SCRAPER

DSMB

## **AVAILABLE IN ALL SHAPES FOR OTHER MACHINES IN THE MARKET**















DHMA

DKQMA

DSTMA

DTC











METAL BOND DIAMOND 'W' SERIES

METAL BOND **'W'** SERIES - Economically designed tool for adhesive removal and grinding rough surfaces. Available in OK. (Coarse Grinding).

**PCD TOOLS** 

PCD Scraper – Best tool for epoxy & coating removal. Available in single & double PCD inserts.





DSMA PCD

DTPCD







**HYBRID DIAMOND ABRASIVES & PADS** 

This tool is a combination of metal and resin bond diamond. These tools are in Frankfurt shape or with hook and loop backing that can be fitted to a floor grinding machine. It is ideal for smoothing the scratch pattern. It is very effective for grinding the soft concrete. Available in -0K/36/60/120/200.

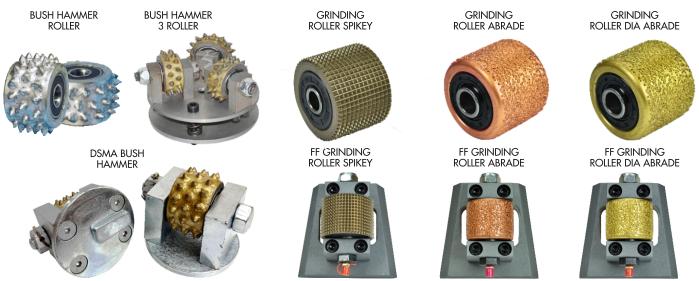




## CONCRETE GRINDING METAL BOND DIAMOND ABRASIVES & PLATES

**GRINDING TOOLS & PLATES** 





It's a bearing mounted tool that can be fitted to a floor grinder or a hand polisher for giving concrete a bush hammered texture on the top layer. It can be used for breaking epoxy / paint coating on the floor. Available in -7" 3 Roller Plate for Hand Polisher and in Frankfurt, Fickert and other Shapes for floor grinder.





## CONCRETE POLISHING RESIN BOND DIAMOND PADS & BRUSHES

## **DIFFERENT TYPE OF RESIN BONDS**

## **CONCRETE SERIES**

Concrete Series is a very aggressive tool for dry polishing of concrete gives excellent gloss and clarity. Specially designed formula gives optimum coverage and highest gloss on concrete.

Available in grit: 60/100/200/400/800/1500/3000 and available in all shapes shown below.

## **CONCRETE-ECO SERIES**

Concrete Eco Series is an economically designed concrete polishing resin bond polishing pads give good coverage and gloss. Available in grit: 60/100/200/400/800/1500/3000 and available in all shapes shown below.

## **XD SERIES**

XD Series is an all surface grinding pad. It is economically priced as compared to concrete pads. These pads are aggressive in action and has good coverage and gloss. It can be used on concrete and terrazzo floors.

Available in grit: 60/100/200/400/800/1500/3000 and available in all shapes shown below.



Ø80 X

Ø100 X

Ø100 X









Ø100 X

2.75mm 2.75mm 5.00mm 11.00mm

Ø80 X

Ø80 X

Ø50 X



TROWEL POLISHING PAD

DCRF-6S2-B, 100\*3.00mm

Specially designed concrete pads for Trowel polishing system can be used both wet & dry. Application gives better coverage and gloss with Trowel Polishing System. Available in -0/1/2/3/4/5/6

## **EDGE POLISHING PADS**

Ø125 X



Ø100 X

Ø100 X

DCRPD, 100\*3.00mm



Ø175 X

3.00mm

Ø150 X

DCRB (SNAIL), 100\*3.00mm

Edge Polishing Diamond Pads 1. Zero vibration while polishing. 2. Low operator fatigue. 3. No extra coupling required. 4. Replacement for GC wheels. 5. Replacement for flexible Diamond Pads. 6. Replacement for conventional CRB abrasives. 7. Faster speed of polish. 8. Polishes dry at high speed. 9. Even polishes the surface of granite because lock nut is below the surface.

## SPARES, ANCILLIARIES & HAND POLISHERS



VELCRO ADAPTER HOOK & LOOP



DSMA VELCRO ADAPTER



VELCRO ADAPTER FOR ELECTRIC DRILL



CRB COUPLING FLAT

HAND POLISHER
Working Width100mm
Speed-1200rpm
Weight-2kg

ANGLE GRINDER
Working Width100mm
Speed- 11000rpm
Weight- 2kg



## **CLEANING, BUFFING PADS & BRUSHES**



DIAMOND FLOOR PADS



AVAILABLE IN 4, 8, 13 & 17" BUFFING AND CLEANING PADS



SOFT, HARD & WIRE BRUSHES





## **CONCRETE CARE CHEMICALS AND CLEANERS**

## **DENSI HARD®** LITHIUM SILICATE

It is a lithium silicate-based deeppenetrating treatment for concrete and terrazzo floors. It creates a hard, polishable surface with high reflectivity, reduces maintenance and dusting, improves abrasion resistance, and minimizes wear on diamond abrasives. Eco-friendly and long-lasting.



## **DENSI HARD® SODIUM SILICATE**

Sodium silicate-based, shallowpenetrating treatment for concrete and terrazzo. It hardens the surface, enhances reflectivity and abrasion resistance, reduces dusting, maintenance, and diamond abrasive wear. Eco-friendly.



## **DENSI HARD® LS+**

Densi Hard LS+ is a lithium-based deep penetrating concrete densifier. It enhances abrasion resistance, boosts gloss and reflectivity when polished, reduces maintenance costs, and penetrates concrete pores for long-lasting protection.



## **STAIN PROTECTOR** CONCENTRATE

Stain Protector Concentrate is a breathable, partly penetrating and filmforming sealer that protects concrete from stains, moisture, oil, dirt, and wear while enhancing durability and appearance.



## **CREAM WAX**

A high-quality concentrated paste wax for concrete, marble, granite, and similar stones. Provides excellent polishing, a super-gloss finish, slight anti-stain, and water-repellent effects. Ideal for final buffing. Available in natural and grey.



## **SHINER**

This is a high quality wax based shiner used for polishing edges, moldings & skirting. Gives high gloss when used with final buff or white pad. Suitable for indoor & outdoor application.



## **STAINEX**

Stainex is a premium solvent-based, deeppenetrating sealer that protects absorbent surfaces like concrete, marble, and sandstone from dirt, oil, and water stains. UV-resistant, breathable, and suitable for indoor and outdoor use.



## FLOOR CLEANER NEUTRAL

Floor Cleaner is highly concentrated pH balanced cleaner. Can be used for regular maintenance of marble, granite, stone and tile. Maintains high gloss on floor, can be used with regular mop with scrubbing machine. pH balance ensures no residual effect.



## **CONCRETE COLOR DYE**

Concrete Color Dyes are designed for polished and exposed concrete, offering deep penetration for long-lasting color. They can be used as a base, touch-up, or layered to create unique, mottled effects.



## **FLOOR CLEANER HEAVY DUTY**

Floor Cleaner Heavy Duty is a concentrated oil and grease stain remover. This is a citrus fragrance product which does not contain any harmful chemical, is ideal for the quick and effective cleaning of greasy and oily



## AVAILABLE SHADES (SPECIALLY DEVELOPED FOR POLISHED CONCRETE)



CHOCOLATE BROWN





**ORANGE** 



GREY



DEEP RED



WALNUT



DARK BROWN



GREEN



CHERRY BROWN



MIDNIGHT BLACK



BLUE





YELLOW



BROWN







## CUTTING, GRINDING AND TEXTURING ABRASIVES & TOOLS

## 3" CUP WHEELS & 4-5" DIAMOND SAW BLADES

CUP WHEEL 80 mm

FLAT CUP CONTINUOS 105 mm 100 mm 10 SEG. 100 mm 9 SEG. 100 mm 8 SEG. 100 mm CONTINUOS 100 mm 10 SEG. 125 mm

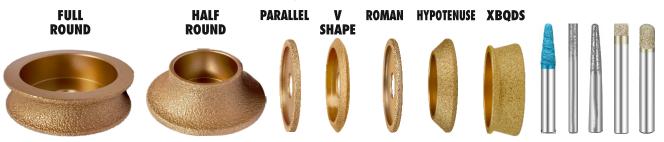




## **BRUSHES ABRASIVES FOR TEXTURE FINISH**



## **VACUUM BRAZED GRINDING/PROFILE WHEEL & ENGRAVING TOOLS**



## **CUTTING AND GRINDING WHEELS & FLAP DISC**







## HOW TO POLISH **CONCRETE FLOORS**

HOW TO DENSIFY (DUST-PROOF) LEVEL FLOORS						
SN	PROCEDURE	ITEM CODE	PHOTO	REMARKS		
1	Lightly grind the floor with flexible diamond pad DCRF-200.	DCRF-200		This is done to open up the pores of the concrete. This step is essential for Densifer penetration.		
2	Apply the Densifer on the concrete floor.	Densi-Hard Lithium Silicate/ Sodium Silicate	DENSI-HARD DENSI-HARD	Apply with microfiber mop and spreed uniformly. Apply more where required.		
3	Burnish with flexible diamond pad 800.	DCRF 400/800	2 03	Use diamond pad with a high speed burnisher.		

HOW TO DENSIFY (DUST-PROOF) UNEVEN FLOORS						
SN	PROCEDURE	ITEM CODE	РНОТО	REMARKS		
1	Grind the floor with metal bond 200 grit.	DSMA C-200		This is done to open up the pores of the concrete. This step is essential for Densifier penetration.		
2	Grind the floor with resin bond 100 grit till the floor is scratch free.	DCRF-7U2 R-100	• Parall	The 100 Resin is used to remove the scratches of Metal Bond 200 grit.		
3	Grind the floor with resin bond 200 grit till the surface is smooth.	DCRF-7U2 R-200		This step is essential to ensure no scratches remain after Densification.		
4	Apply the Densifer on the concrete floor.	Densi-Hard Lithium Silicate/ Sodium Silicate	DENSI-HARD DENSI-HARD	Apply with micro fiber mop and spread uniformly. Apply more where required.		
5	Burnish with flexible diamond pad 400.	DCRF-7U2 R-400	Apartical Appropriate Appropri	Use diamond pad with a high speed burnisher.		

	HOW TO POLISH CONCRETE					
SN	PROCEDURE	ITEM CODE	РНОТО	REMARKS		
1	Grind the floor with metal bond 120 grit. For uneven floors also use 36 and 60 grit.	DSMA C-120		A good level is a prerequisite for good uniform final finish. Improper first grinding will lead to a patchy finish.		
2	Grind the floor with metal bond 200 grit (Ideal to start with this step on level floors).	DSMA C-200		Minor level differences and the scratches of Metal Bond 200 grit was removed.		
3	Grind the floor with flexible diamond pad 100 grit.	DCRF-7U2 R-100	• Visite of the second of the	The 100 Resin is used to remove the scratches of Metal Bond 200 grit.		
4	Grout the floor to repair pinholes and cracks.	Grout Repair	GROUT REPAIR	Grouting is done using a mixture of cement, latex, water and concrete dust from the dust collector.		
5	Grind the floor with resin pad 200 grit till the floor is scratch free.	DCRF-7U2 R 200	• 100	This step is essential to ensure no scratches remain after Densification.		
6	Apply the Densifer on the concrete floor.	Densi-Hard Lithium Silicate/ Sodium Silicate	DENSI-HARD DENSI-HARD	Apply with Micro fiber mop and spread uniformly. Apply more in areas where penetration is faster.		
7	Grind the floor with flexible diamond pad 400 grit.	DCRF-7U2 R-400	Acros	This step will give a nice smooth finish to the floor. A light gloss appears.		
8	Polish the floor with resin bond 800 grit.	DCRF-7U2 R-800	SSURIF	A dull shine will appear but the reflection will be sharp. This is essential for sharp final finish. Color and gloss both increase.		
9	Polish the floor with resin bond 1500 grit.	DCRF-7U2 R-1 <i>5</i> 00	•	Both color and sharpness improve substantially after this step.		
10	Burnishing with flexible diamond pad DCRF 3000.	DCRF-7U2 R-3000	3000	Use the Diamond Pad with a High Speed Burnisher. A high gloss will appear after this step. Reflection will be sharp.		
11	Apply Stain Protector and burnish with white pad 4100/4200 grit.	White Pad & Stain Protectant	4100 STAIN PROTECTOR CONCENTRATE	Gives a brilliant high shine and protects the floor from stains.		

	HOW TO DYE & POLISH CONCRETE					
SN	PROCEDURE	ITEM CODE	PHOTO	REMARKS		
1	Grind the floor with Metal Bond 120 grit. For uneven floors also use 36 and 60 grit.	DSMA-C-120		A good level is a prerequisite for good uniform final finish. Improper first grinding will lead to a patchy finish.		
2	Grind the floor with Metal Bond 120 grit (Ideal to start with this step on level floors).	DSMA-C-200		Minor level differences and the scratches of metal bond 120 grit was removed.		
3	Grind the floor with flexible diamond pad 100 grit.	DCRF-7U2 R-100		The 100 Resin is used to remove the scratches of metal bond 200 grit.		
4	Grout the floor to repair pinholes and cracks.	Grout Repair	GROUT REPAIR	Grouting is done using a mixture of cement, latex, water and concrete dust from the dust collector.		
5	Grind the floor with Resin Pad 200 grit till the floor is scratch free.	DCRF-7U2 R-200		This step is essential to ensure no scratches remain after densification.		
6	Apply the densifier on the concrete floor.	Densi-Hard Lithium Silicate/ Sodium Silicate	DENSI-HARD DENSI-HARD	Apply with microfiber mop and spread uniformy. Apply more in areas where penetration is faster.		
7	Grind the floor with flexible diamond pad 400 grit.	DCRF-7U2 R-400	soraf 400	This step will give a nice smooth finish to the floor. A light gloss appears.		
8	Apply the first coat of Surie Polex Color Dye (on hard concrete apply 1st coat before densifier.)	Surie Polex Color Dye. see color chart for all colors.	CONCRETE COLOR DYE	Ready to use can be applied with spray or paint roller.		
9	Polish the floor with flexible diamond pad 800 grit.	DCRF-7U2 R-800	\$ 50ng s	A dull shine will appear but the reflection will be sharp. This is essential for sharp final finish. Color and gloss both increase.		
10	Apply the second coat of Surie Polex Color Dye.	Surie Polex Color Dye. see color chart for all colors.	CONCRETE COLOR DYE	Ready to use can be applied with spray or paint roller.		
11	Polish the floor with flexible diamond pad1500 grit.	DCRF-7U2 R-1500	1500	Both color and sharpness improve substantially after this step.		
12	Burnishing with diamond flexible pad DCRF-3000 grit.	DCRF-7U2 R-3000	3000	Use the diamond pad with a high speedburnisher. A high gloss will appear after this step. Reflection will be sharp.		
13	Apply Stain Protector and burnish with white pad 4100/4200 grit.	White Pad & Stain Protectant	4100 PROTECTOR CONCENTRATE	Gives a brilliant high shine and protects the floor from stains.		

NOTE: For finest finish ensure scratch-free surface before application of densifier. After Densification scratch removal is very tedious. Level grinding is not a solution for poor casting of concrete floors. SURIE POLEX recommends dry grinding and dry polishing on concrete. A dust collector needs to be used in tandem with the concrete grinding machine to ensure best results. Densifiers are applied on dry floors. With dry grinding there is no need to arrange for water or remove sludge. Simply empty the dust collector drum. 28 Days curing recommended for concrete floors for best result. Contact us for technical

Today laying of a concrete floor, keeping in mind that flooring constitutes about 25% of the cost of the project, has become very scientific. Very efficient methods have been developed and continue to be developed to obtain a long lasting surface which provides for all material movements without damage to material handling equipment. As the level of robotisation increases, the importance of the concrete floor will increase.

So please consult concrete flooring experts before budgeting for your flooring in your Warehouse, Factory or Institution. An initial higher cost will be compensated by major savings over the years.





THE ONE STOP SHOP FOR EVERYTHING TO POLISH, INSTALL & MAINTAIN MARBLE, GRANITE, STONE, TERRAZZO, CONCRETE & TILE







## FLOOR GRINDING AND POLISHING MACHINES



## CUTTING AND GRINDING TOOLS & ABRASIVES



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## SUPPORT

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BRANDS एक्ट्री **ु**षोलीवासी

OUR

























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