



# HOW TO POLISH (STEP BY STEP)

FOR  
MARBLE, GRANITE, STONE  
TERRAZZO & CONCRETE

WE PROVIDE SOLUTIONS



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## Mr. AALOKE SURIE (CHAIRMAN)

Surie Porex was established in 1985, by our chairman 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 (MD)

Mr. Sachin Surie is the Managing Director. He is a Mechanical Engineer from the Ohio State University, USA. He joined the company in 2004 and has 19 years of experience in designing, developing and manufacturing abrasives, machines and chemicals for all types of surfaces.

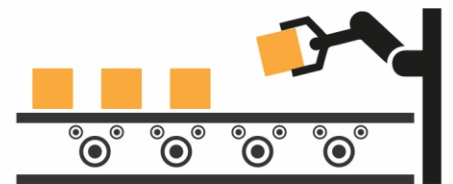
## SCALE OF MANUFACTURING



3 Factories



1000+ employees



10+ product lines.



## PRODUCT RANGE

Surie Porex 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, Treatment, Protection and Maintenance of Marble, Granite, Concrete and Terrazzo.



## NETWORK

Surie Porex 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 Porex is in a position to adapt to different market requirements.

HOW TO POLISH	DIAMOND POLISH OR MIRROR POLISH	पॉलिश की विधि
Applied to the bottom of stone before fixing on floor. It prevents moisture entering from below. फर्श पर लगाने से पहले, पत्थर की निचली सतह पर लगायें।	<b>BOTTOM SURFACE SEALER</b>	Applied to the bottom of stone before fixing on floor. It prevents moisture entering from below. फर्श पर लगाने से पहले, पत्थर की निचली सतह पर लगायें।
<b>60 LEVEL GRINDING</b> समतल कटाई A good level is a prerequisite for good uniform final finish. Improper level will lead to patchy finish. समतल बनाने पर ही एक सार चमक आती है। अनूचित कटाई से पॉलिश में धब्बे नजर आएंगे।	  	<b>0 LEVEL GRINDING</b> समतल कटाई A good level is a prerequisite for good uniform final finish. Improper level will lead to patchy finish. समतल बनाने पर ही एक सार चमक आती है। अनूचित कटाई से पॉलिश में धब्बे नजर आएंगे।
<b>100 FINE GRINDING</b> बारीक कटाई Minor level difference/scratches of "60" are removed. Note: Following abrasives do not correct level. मामूली समतल का अन्तर व "60" की कटाई के निशान मिटेंगे। नोट: अगली बट्टियां तल की असमानता ठीक नहीं करेंगी।	  	<b>1 FINE GRINDING</b> बारीक कटाई Minor level difference/scratches of "0" are removed. Note: Following abrasives do not correct level. मामूली समतल का अन्तर व "0" की कटाई के निशान मिटेंगे। नोट: अगली बट्टियां तल की असमानता ठीक नहीं करेंगी।
<b>1a RESIN &amp; GLUE FILLING</b> रेजिन व ग्लू फिलिंग For gluing & filling of natural stones. पत्थर को जोड़ने व भरने के लिये।	<b>RESIN Marble Glue</b> 1080 EPOXY RESIN	<b>1a RESIN &amp; GLUE FILLING</b> रेजिन व ग्लू फिलिंग For gluing & filling of natural stones. पत्थर को जोड़ने व भरने के लिये।
<b>200 SMOOTH GRINDING</b> महीन घिसाई Practically no scratch will be visible. प्रयोग से निशान दिखाई नहीं देंगे।	  	<b>2 SMOOTH GRINDING</b> महीन घिसाई Practically no scratch will be visible. प्रयोग से निशान दिखाई नहीं देंगे।
<b>2a STRUCTURAL HARDENING</b> सख्त बनावट Penetrates into fine pores of marble, reacts, seals capillaries, makes marble denser, harder Increase polish intensity मारबल के बारीक छिद्रों के अन्दर जाकर सील करता है। उसे ठोस बनाता है तथा पॉलिशिंग की गति को बढ़ाता है।	<b>MARBLE STAR</b> <b>DENSI-HARD MARBLE</b>	<b>2a STRUCTURAL HARDENING</b> सख्त बनावट Penetrates into fine pores of marble, reacts, seals capillaries, makes marble denser, harder Increase polish intensity मारबल के बारीक छिद्रों के अन्दर जाकर सील करता है। उसे ठोस बनाता है तथा पॉलिशिंग की गति को बढ़ाता है।
<b>400 SCRATCH FREE GRINDING</b> बेदाग घिसाई Use 400 to make every stone scratch-free 400 के प्रयोग से सभी पत्थर बेदाग कर लें।	  	<b>2L SCRATCH FREE /2K GRINDING</b> बेदाग घिसाई Use 2L/2K to make every stone scratch-free 2L/2K के प्रयोग से सभी पत्थर बेदाग कर लें।
<b>800 PRE-POLISH</b> अतिमहीन घिसाई Dull shine appears but the reflection is sharp. This is essential for sharp final finish. हल्की चमक व प्रतिबिम्ब नजर आयेगा। यह अन्तिम तीखी चमक के लिए अति आवश्यक है।	  	<b>3 PRE-POLISH</b> अतिमहीन घिसाई Dull shine appears but the reflection is sharp. This is essential for sharp final finish. हल्की चमक व प्रतिबिम्ब नजर आयेगा। यह अन्तिम तीखी चमक के लिए अति आवश्यक है।
<b>2b STRUCTURAL HARDENING</b> सख्त बनावट For soft marble use marble start after 800 also. सॉफ्ट मार्बल के लिए 800 के बाद भी मार्बल स्टार का उपयोग करें।	<b>MARBLE STAR PLUS</b>	<b>2b STRUCTURAL HARDENING</b> सख्त बनावट For soft marble use marble start after 800 also. सॉफ्ट मार्बल के लिए 800 के बाद भी मार्बल स्टार का उपयोग करें।
<b>1500 POLISH</b> पॉलिश Both Color and sharpness improve substantially. चमक और रंग की स्पष्टता बहुत बढ़ जाती है।	  	<b>4 POLISH</b> पॉलिश Both Color and sharpness improve substantially. चमक और रंग की स्पष्टता बहुत बढ़ जाती है।
<b>3000 FINE POLISH</b> सुपर पॉलिश To the uninitiated this finish would be final finish. Tube light reflection is clearly visible. न जानने वालों को यह ही अन्तिम चमक महसूस होगी। बल्ब फर्श में स्पष्ट नजर आयेगा।	  	<b>5 FINE POLISH</b> सुपर पॉलिश To the uninitiated this finish would be final finish. Tube light reflection is clearly visible. न जानने वालों को यह ही अन्तिम चमक महसूस होगी। बल्ब फर्श में स्पष्ट नजर आयेगा।
<b>5000-EXTRA FINE POLISH</b> <b>8000-SUPER POLISH</b> <b>12000-SUPER FINE POLISH</b>		<b>5000-अति फाइन पॉलिश</b> <b>8000-सुपर पॉलिश</b> <b>12000-सुपर फाइन पॉलिश</b>
<b>6 CRYSTALLIZATION</b> क्रिस्टलइजेशन Acid reacts with calcium carbonate of marble to create hard, transparent impervious layer. यह रसायन पत्थर के कैल्शियम कार्बोनेट के साथ मिलकर एक ठोस पारदर्शी परत बनाता है।	<b>N2ZX MARBLE CRYSTALLIZER</b> <b>Z-XTRA Hi-gloss Crystallizer For Marble, Mosaic, Etc.</b>	<b>6 CRYSTALLIZATION</b> क्रिस्टलइजेशन Acid reacts with calcium carbonate of marble to create hard, transparent impervious layer. यह रसायन पत्थर के कैल्शियम कार्बोनेट के साथ मिलकर एक ठोस पारदर्शी परत बनाता है।
<b>7 SEALING</b> सीलिंग Soaks into finest pores & seals floor allowing however moisture to escape from floor. सतह के अन्दर जाकर बारीक छेदों को रोक कर सील करें व नमी को अन्दर जाने से रोके।	<b>STAINEX NANO-TECH</b> <b>NANO SEALER</b>	<b>7 SEALING</b> सीलिंग Soaks into finest pores & seals floor, making it impervious. Allows moisture to escape from floor. सतह के अन्दर जाकर बारीक छेदों को रोक कर सील करें व नमी को अन्दर जाने से रोके।
<b>8 BUFFING</b> बफिंग Buff with white pad or 6M abrasive to achieve higher gloss. अधिक चमक के लिए सफेद पैड या 6M से बफ करें।		<b>8 BUFFING</b> बफिंग Buff with white pad or 6M abrasive to achieve higher gloss. अधिक चमक के लिए सफेद पैड या 6M से बफ करें।
<b>9 WAX COAT</b> वैक्स कोट For hard to Polish floors, very fine non-slip wax. Does not allow anything to stick to floor & protects floor. कठोर फर्श की पॉलिश के लिए महीन वैक्स सतह पर किसी भी पदार्थ को चिपकने से रोकता है व उसकी सुरक्षा करता है।	<b>TRUKOLOR COLOR ENHANCING SEALER</b> <b>Cera Liquida</b> <b>FLOOR CLEANER NEUTRAL LEMON FRAGRANCE</b>	<b>9 FLOOR CLEANER</b> फ्लोर क्लीनर Use for maintenance and in between polishing stages. फर्श को नुकसान नहीं पहुंचाएगा, सफाई व घिसाई के लिए उपयोग में लें।

**NOTE # Wash machine after every operation. # First run the machine in any one direction and then right angle to it.**  
**नोट # प्रत्येक कटाई के बाद मशीन को धोये। # मशीन को पहले एक दिशा में चलाये फिर चाल को क्रॉस करें।**

## MACHINES



### METAL BOND DIAMOND

36, 46, 60, 120



NEW



NEW



### FRANKFURT MAGNESITE BOND

20, 24, 30, 36, 46



## SURIEPOX®



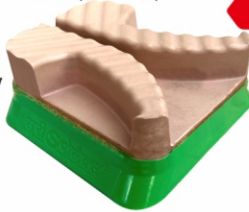
### DFRC RESIN BOND DIAMOND-G

100, 200, 400, 800  
1000, 1500, 3000



### DFRE RESIN BOND DIAMOND-G

100, 200, 400, 800  
1000, 1500, 3000



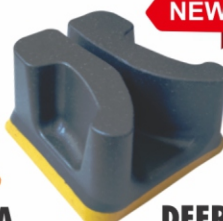
NEW

### RESIN BOND DIAMOND-P

3000, 5000, 8000, 12000



DFVRA



DFERA

NEW



### DFB RESIN BOND DIAMOND

500, 1000, 2000, 3000, 5000,  
8000, 12000, 15000



### FZ-5X / 10X ACID POLISH



### F-6M BUFF CLEANER



### FRANKFURT SiC ANTIQUE BRUSH



### FRANKFURT DIAMOND BRUSH



### DIRECT POLISH MARBLE

HEAD NO.	12 HEAD	16 HEAD	20 HEAD
1	M-80	M-46	M-36
2	RG-60	M-60	M-46
3	RG-100	M-80	M-60
4	RG-200	M-120	M-80
5	RG-400	RG-60	M-120
6	RP-800	RG-100	RG-60
7	RP-1200	RG-200	RG-100
8	RP-1500	RG-400	RG-200
9	RP-3000	RP-600	RG-400
10	5X	RP-800	RP-600
11	5X	RP-1200	RP-800
12	6M	RP-1500	RP-1000
13	-	RP-3000	RP-1200
14	-	5X	RP-1500
15	-	5X	RP-3000
16	-	6M	RP-5000
17	-	-	5X
18	-	-	5X
19	-	-	5X
20	-	-	6M

### DIRECT POLISH STONES

HEAD NO.	12 HEAD	16 HEAD	20 HEAD
1	M-80	M-36	M-36
2	RG-60	M-46	M-46
3	RG-100	M-60	M-60
4	RG-200	M-80	M-80
5	RG-400	M-120	M-120
6	RP-800	RG-60	RG-60
7	RP-1200	RG-100	RG-100
8	RP-1500	RG-200	RG-200
9	RP-3000	RG-400	RG-300
10	6PR	RG-800	RG-400
11	6PR	RP-1000	RG-800
12	6M	RP-1500	RG-1000
13	-	RP-3000	RG-1200
14	-	6PR	RG-1500
15	-	6PR	RG-3000
16	-	6M	RG-5000
17	-	-	6PR
18	-	-	6PR
19	-	-	6PR
20	-	-	6M

**METAL BOND DIAMOND 140 & 170mm  
DR1MSA/DR4MSA**



GKC: 24, 36, 60, 80, 100, 200 GLA: 36, 46, 60, 80, 100, 200 GH: 100, 120, 150, 200; G: 100, 120, 200, 300 GB3: 100, 120, 200, 300

**RESIN BOND DIA 140/170mm  
REGULAR SOFT DR1RFS/DR1RTH/DR4RFS  
PREMIUM DR1RFS / DR4RFS**



R: 60, 100, 200, 200AP, 300, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 3000, P: 5000, 8000, 12000

**RESIN BOND DIA 140/170mm - REGULAR HARD  
DR1RFS/DR1RTH/DR4RFS MX1**



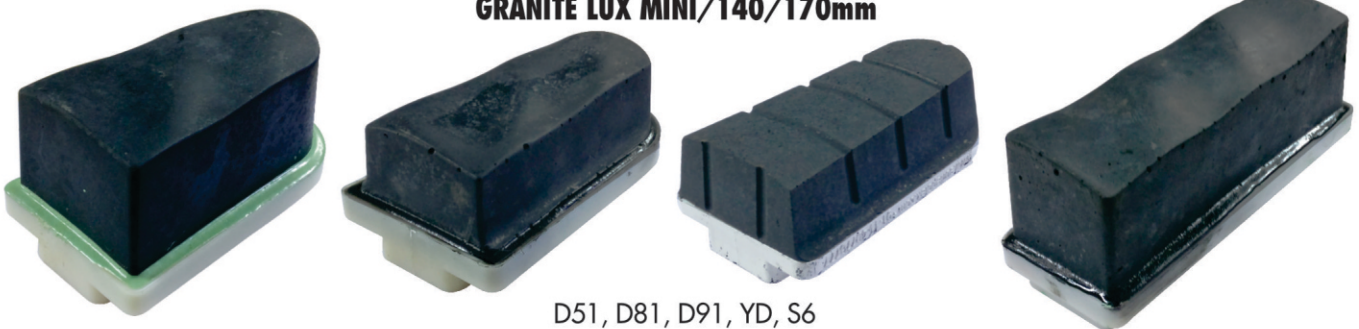
60, 100, 200, 200AP, 300, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 3000

**RESIN BOND DIA 140/170mm - ECO SERIES  
DR1RCS/DR1RTH/DR4RFS Mx3**



60, 100, 200, 200AP, 300, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 3000

**GRANITE LUX MINI/140/170mm**



D51, D81, D91, YD, S6

**SURFACE FINISH BRUSHES-140mm**



R1-STEEL WIRE BRUSH



R1-ANTIQUE BRUSH



R1-DIAMOND BRUSH

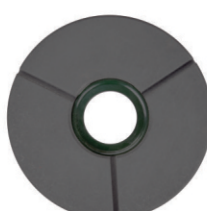
**FLOOR GRINDING & POLISHING PLATES**



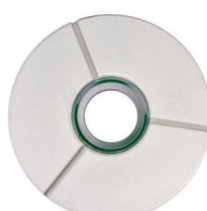
DMSP 210mm



DRSP 210mm



BLACK SOFT BUFF & WHITE BUFF 210mm



8" DIAMOND & ANTIQUE BRUSH



## LPM-GRANITE DIAMOND POLISHING-FICKERT

DIRECT POLISH				GRINDING BEFORE EPOXY				POLISHING AFTER EPOXY			
HEAD NO.	9 HEAD	12 HEAD	16 HEAD	HEAD NO.	9 HEAD	12 HEAD	16 HEAD	HEAD NO.	9 HEAD	12 HEAD	16 HEAD
1	M-46	M-46	M-36	1	M-24	M-24	M-24	1	R-200 AP	R-200 AP	R-200 AP
2	M-60	M-60	M-46	2	M-36	M-36	M-36	2	R-400	R-400	R-400
3	M-100	M-100	M-60	3	M-46	M-46	M-36	3	R-800	R-600	R-600
4	M-200	M-200	M-80	4	M-60	M-60	M-46	4	R-1200	R-800	R-800
5	R-200	R-200	M-100	5	M-80	M-80	M-46	5	R-1500	R-1200	R-1000
6	R-400	R-400	M-200	6	M-100	M-100	M-60	6	R-3000	R-1500	R-1200
7	R-800	R-800	R-200	7	M-150	M-120	M-80	7	R-5000	R-3000	R-1500
8	R-3000	R-1500	R-400	8	M-200	M-150	M-100	8	LUX SP.	R-5000	R-2000
9	LUX SP.	R-3000	R-800	9	R-200	M-200	M-120	9	LUX SP.	R-8000	R-3000
10	-	LUX SP.	R-1200	10	-	M-300	M-150	10	-	LUX SP.	R-5000
11	-	LUX SP.	R-1500	11	-	R-100	M-200	11	-	LUX SP.	R-8000
12	-	LUX SP.	R-3000	12	-	R-200	M-300	12	-	LUX SP.	R-12000
13	-	-	R-5000	13	-	-	R-100	13	-	-	LUX SP.
14	-	-	LUX SP.	14	-	-	R-200	14	-	-	LUX SP.
15	-	-	LUX SP.	15	-	-	-	15	-	-	LUX SP.
16	-	-	LUX SP.	16	-	-	-	16	-	-	LUX SP.
WAX COAT				EPOXY FILLING: SURIEPOX 2001/2/4				ANTIQU/TRUKOLOR/CERA LIQUIDA			



FOR GRANITE FLOOR		FOR MARBLE FLOOR	
1	 DFHMRA GH-100		DFMRW-MOK  
2	 DFHMRA GH-200		DFMRA/ B/C-MISS OR DCRF 60 7U2/5U1  
3	 DFRC R-200/200AP		<b>SURIEPOX<sup>®</sup></b> <b>1080</b>
4	<b>SURIEPOX<sup>®</sup></b> <b>2001</b>		DCRF 7U2/5U1-100 
5	 FB - 2M		DCRF 7U2/5U1-200 
6	 DFRC R-400		<b>MARBLE STAR</b>
7	 DFRC R-800		FB/FA/FV 3 
8	 DFVRA R-1500		<b>MARBLE STAR PLUS</b>
9	 DFVRA R-3000		FB/FA/FV 4 
10	 DFVRA P-5000		FB/FA/FV 5 
11	 F-6G		FZ/FZS 5X/6X/7X/10X 
12	  GLOEX CREAM 4100		<b>NANO SEALER</b> F-6M BUFF (CLEANER) 






<p>DCRMRA</p> 	<p>DCRMRZ</p> 	<p>DCRKMRB</p> 	<p>DCRKMRW</p> 	<p>DTMRZ</p> 
<p>5" SNAIL LOCK LEFT &amp; RIGHT- CRB5 MAG <b>NEW</b></p> 		<p>5" SNAIL LOCK LEFT &amp; RIGHT- CRB5 SYN <b>NEW</b></p> 		
<p>DCRB4</p> 	<p>DCRB4 1S1 <b>NEW</b></p> 	<p>DCRB 6S1</p> 	<p>DCRB 4S1</p> 	
<p>DCRB 5S1</p> 	<p>DCRB6 1S1 <b>NEW</b></p> 	<p>DCRB5B</p> 		<p>DCRB5A</p> 
<p>DTRZ 100</p> 	<p>DTRZ 120</p> 	<p>DCRB 4EP/4EP-C1 5EP/5EP-C1/6EP/6EP-C1 <b>NEW</b></p> 		<p>DCRPD 4S1</p> 
<p>CRB5/6-5X</p> 		<p>CRB5/6-6G GRANITE BUFF</p> 		<p>CRB5/6-6M MARBLE BUFF</p> 





### ACHIEVABLE ON ALL TYPES OF MACHINES. ABRASIVES AVAILABLE FOR ALL MACHINES

SN	STEP	RIVER FINISH - MARBLE	Visual	Visual	SN	STEP	LEATHER FINISH - GRANITE
1	Acid Wash	Spray hydrochloric acid with help of a spray bottle.			1	DR1MSA GKC-46/60	For grinding off the polish on granite surface.
2	D-36	Grinds away the softer portions of the marble to give natural look.	D-24/36/46/60 DIAMOND BRUSH	DR1MSA-46/200	2	DR1MSA GH-100/G-200	For removing scratch marks of 100 from granite DR1MSA-200.
3	S-46	Removes scratches of D-36.			3	D-8/12	For smoothening granite surface, essential to darken base D-8/12.
4	S-60	Removes balance treated portion and makes base for polishing.	S-36 TO 1000 ANTIQUER BRUSH	DR1RFS-200	4	D-8/12	For smoothening granite surface, essential to darken base D-8/12.
5	S-80	Removes scratches of S-60 and makes surface smooth.			5	D-24	For making granite rough for leather finish. Use extensively for good result.
6	S-120	Surface becomes smoother and color begins to appear.	LQUID CRYSTALLIZER	EPOXY RESIN	6	D-36	Removes scratches of D-36.
7	S-240	Color and sharpness increase.			7	D-46	Makes stone clear from D -36, 46 marks & giving proper shape to roughness.
8	S-320	Color increases and gloss begins to appear.	STEEL BRUSH	D-8/1500 DIAMOND BRUSH	8	D-60	Removes scratches of D-60 and makes surface smooth.
9	S-500	Gloss increases further.			9	EPOXY	For gluing & filling of natural stones.
10	S-1000	Gloss and color are maximized.	D-24/36/4/60 DIAMOND BRUSH	DARKENER & SEALER	10	D-120	Surface becomes smoother and color begins to appear.
11	SP-1	Use with antique brush S-1000. Spray and buff for higher gloss and protection of stone surface.			11	D-220	For extra color at Final Stage
					12	D-240	Color and sharpness increase.
					13	D-320	Color increases and gloss begins to appear.
					14	D-500	Gloss increases further.
					15	D-1000/1500	Gloss and color are maximized.
					16	ANTIQ/ TRUKOLOR	Makes stone darker and seals surface. Can also be used for maintenance.
SN	STEP	ANTIQUER FINISH - GRANITE	Visual	Visual	SN	STEP	LAPPATO FINISH - GRANITE
1	Flame or Bush Hammer	Flame or Bush Hammer the granite. Soft parts of granite get removed and rough texture is obtained.			1	DR1MSA GKC-46/60	For grinding off the polish on granite surface.
2	Steel Brush	Steel Brush will clear granite surface from any loose particles.	STEEL BRUSH	DR1MSA-46/200	2	DR1MSA GH-100/G-200	For removing scratch marks of 100 from granite DR1MSA-200.
3	S-36	S-36 will smoothen the roughness remaining after # 1 & 2.		EPOXY RESIN	3	D-8/12	For smoothening granite surface, essential to darken base D-8/12.
4	S-46	S-46 will smoothen the roughness remaining after # 1 & 2.	D-24/36/4/60 DIAMOND BRUSH	HARDENER	4	D-8/12	For smoothening granite surface, essential to darken base D-8/12.
5	S-60	Rounds off any balance treated portion and makes base for polishing.	S-24 TO 1000 ANTIQUER BRUSH		5	D-24	For making granite rough for leather finish. Use extensively for good result.
6	S-80	Removes scratches of S-60 and makes surface smooth.		DR1RFS-200	6	D-36	For making granite rough for leather finish. Use extensively for good result.
7	S-120	Surface becomes smoother and color begins to appear.			7	D-46	For making granite rough for leather finish. Use extensively for good result.
8	S-240	Color and sharpness increase.	DARKENER & SEALER	DR1RFS-200	8	D-60	Removes scratches of D-60 and makes surface smooth.
9	S-320	Color increases and gloss begins to appear.			9	EPOXY	For gluing & filling of natural stones.
10	S-500	Gloss increases further.	D-8/1500 DIAMOND BRUSH		10	D-120	Makes stone clear from D -36, 46 marks & giving proper shape to roughness.
11	S-1000	Gloss and color are maximized.			11	D-220	Surface becomes smoother and color begins to appear.
12	TRU-KOLOR	Makes stone darker and seals surface. Can also be used for maintenance.		D-8/1500 DIAMOND BRUSH	12	D-240	Color and sharpness increase
					13	D-320	Color increases and gloss begins to appear.
					14	D-500	Gloss increases further.
					15	D-1000/1500	Gloss and color are maximized.
					16	DR1RFS-RDB 800	Makes base for lappato finish by flattening top surface of granite.
					17	DR1RFS RDB-1500	Pre-polish for top surface.
					18	DR1RFS-RDB 3000	Polish for top surface.
					19	R1U-6GB-S6M	Final finish (high gloss) for top surface like original granite.
					20	ANTIQ/ TRUKOLOR	Makes stone darker and seals surface. Can also be used for maintenance.
SN	STEP	LITCHI LAPPATO-GRANITE	Visual	Visual	BUSH HAMMER		
1	DR1MSA GKC-36/46/60	For grinding off the polish on granite surface.	DR1MSA-46/200				
2	DR1MSA-GH-100/G-200	For removing scratch marks of 100 from granite DR1MSA-200.		EPOXY RESIN			
3	D-8/12	For smoothening granite surface, essential to darken base D-8/12.	DR1RFS-200	HARDENER			
4	D-8/12	For smoothening granite surface, essential to darken base D-8/12.					
5	D-24	For making granite rough for leather finish. Use extensively for good result.	D-8/1500 DIAMOND BRUSH				
6	D-36	Removes scratches of D-36.		DR1U-S6M-LUX			
7	D-46	Makes stone clear from D -36, 46 marks & giving proper shape to roughness.	DR1RFS-800/1500/3000				
8	D-60	Removes scratches of D-60 and makes surface smooth.	R1U-S6M-LUX	DARKENER & SEALER			
9	EPOXY	For gluing & filling of natural stones.					
10	DR1RFS-R-400	Surface becomes smoother and color begins to appear.					
11	DR1RFS-R-800	For extra color at Final Stage					
12	DR1RFS-R-1500	Color and sharpness increase.					
13	DR1RFS-R-3000	Color increases and gloss begins to appear.					
14	DR1RFS-R-5000	Gloss increases further.					
15	R1U-S6M-LUX	Gloss and color are maximized.					
20	ANTIQ/ TRUKOLOR	Makes stone darker and seals surface. Can also be used for maintenance.					












## HOW TO DENSIFY (DUST-PROOF) LEVEL FLOORS

SN	PROCEDURE	ITEM CODE	PHOTO	REMARKS
1	Lightly grind the floor with Diamond Flexible Pad DCRF-200.	DCRF-200		This is done to open up the pores of the concrete. This step is essential for Densifier penetration.
2	Apply the Densifier on the concrete floor.	Densi-Hard Lithium Silicate/Sodium Silicate		Apply with microfiber mop and spread uniformly. Apply more where required.
3	Burnish with Diamond Flexible Pad 800.	DCRF 400/800		Use Diamond Pad with a High Speed Burnisher.














## HOW TO DENSIFY (DUST-PROOF) UNEVEN FLOORS

SN	PROCEDURE	ITEM CODE	PHOTO	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 200 grit till the floor is scratch free.	DCRF-7U2 R-200		This step is essential to ensure no scratches remain after Densification.
3	Apply the Densifier on the concrete floor.	Densi-Hard Lithium Silicate/Sodium Silicate		Apply with microfiber mop and spread uniformly. Apply more where required.
4	Burnish with Diamond Flexible Pad 400.	DCRF-7U2 R-400		Use Diamond Pad with a High Speed Burnisher.

## HOW TO 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 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 Resin 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		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		Apply with Micro fiber mop and spread uniformly. Apply more in areas where penetration is faster.
7	Grind the floor with Resin Bond 400 grit.	DCRF-7U2 R-400		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		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-1500		Both color and sharpness improve substantially after this step.
10	Burnishing with Diamond Flexible Pad DCRF 3000.	DCRF-7U2 R-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		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 Resin 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		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		Apply with Microfiber mop and spread uniformly. Apply more in areas where penetration is faster.
7	Grind the floor with Resin Bond 400 grit.	DCRF-7U2 R-400		This step will give a nice smooth finish to the floor. A light gloss appears.
8	Apply the first coat of Surie Poxlex Color Dye (on hard concrete apply 1st coat before densifier.)	Surie Poxlex Color Dye. see color chart for all colors.		Ready to use can be applied with spray or paint roller.
9	Polish the floor with Resin Bond 800 grit.	DCRF-7U2 R-800		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 Poxlex Color Dye.	Surie Poxlex Color Dye. see color chart for all colors.		Ready to use can be applied with spray or paint roller.
11	Polish the floor with Resin Bond 1500 grit.	DCRF-7U2 R-1500		Both color and sharpness improve substantially after this step.
12	Burnishing with Diamond Flexible Pad DCRF-3000 grit.	DCRF-7U2 R-3000		Use the Diamond Pad with a High Speed Burnisher. 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		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 queries.

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.

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