



Service • Support • Success

STI PRODUCT CATALOG 2014

U.S. Standard & Metric Measurements



Terrazzo



Concrete

It's a System



Not a Machine



Service • Support • Success

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TABLE OF CONTENTS

Substrate Technology, Inc.	1
STI-2807	2
STI-2818LP	3
STI-2420	4
STI-2418LP	5
STI-3030	6
STI-3038LP	7
STI-4430	8
STI-4438LP	9
Surface Prep Systems	10
Polished Concrete Systems (Wet or Dry)	12
STI Classic Polishing System	14
STI PLP Polishing System	16
New Terrazzo Polishing System	18
STI Burnishers	20
STI Edger	20
STI Hat-Trick 800 & 500 Planetary Machines	21
Von Arx Products	21
STI Vacuums	22
20" Swing Machine.	23
Brooms & Squeegees	23
STI Tool Holders.	24
Cup Wheels	24
Polishing Tools	24
STI FL-08, FL-07, & FL-P Diamonds	25
SPIN-1 & CASH Diamond	26
EG Quick Change Tools	28
Terrazzo / Marble Finishing.	30
Polishing Compound, Sealers, & Cleaners	32
Diatech Stains	33
Slurry Slayer	33

Updated 07/2014



Substrate Technology, Inc.

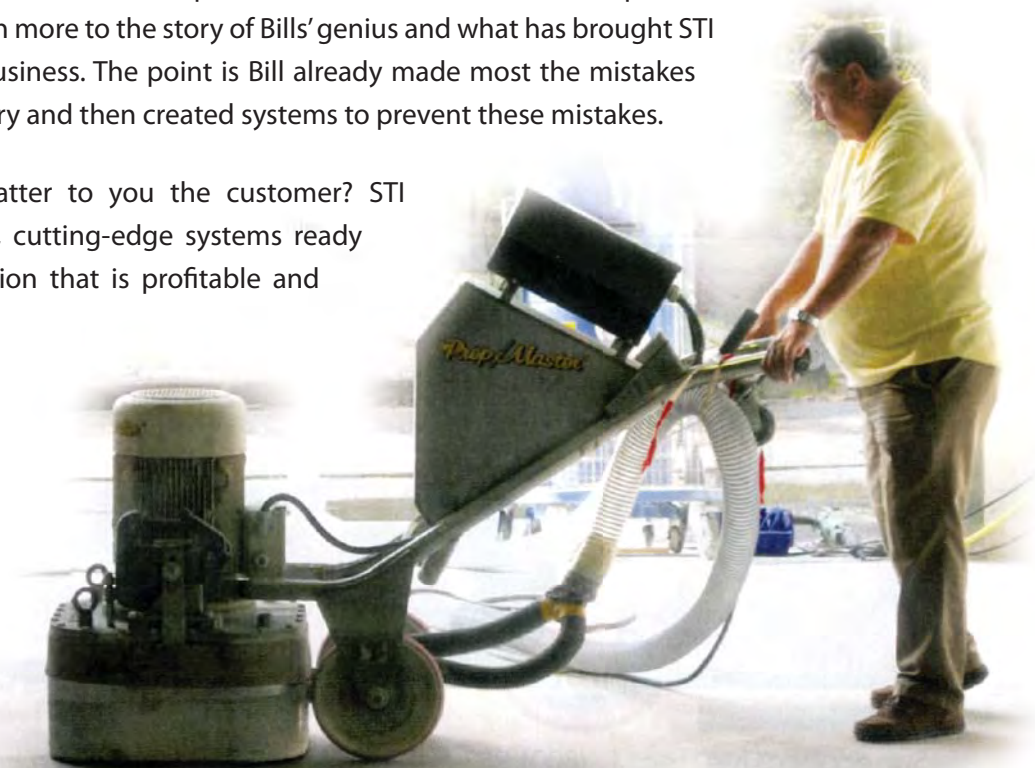
At STI we are proud to offer products that deliver “real world” solutions for our customers. We are able to do this for a few reasons like hard work, combined experience of over 100 years of contracting, and ISO certified suppliers but mostly we are able to do it because of our founder.

STI was founded in 1995 by William ‘Bill’ Jones after his some 30 years of floor covering and floor prep experience. As a contractor, Bill realized he was helpless for products that could deliver results productively AND reliably. Sure there were ‘systems’ on the market but each had their shortcomings and all required some improvising by the end user of the products.

Through numerous trials and subsequent failures Bill put together a system of machinery and diamond tools that can be relied upon to deliver the fastest and most predictable results. There is of course much more to the story of Bills’ genius and what has brought STI into its 19th year of business. The point is Bill already made most the mistakes common to our industry and then created systems to prevent these mistakes.


Why does all this matter to you the customer? STI products are turn-key, cutting-edge systems ready to deliver you a solution that is profitable and predictable.

*In memory of Bill Jones,
STI Founder*



STI-2807 Prep/Master®

Project sizes over 2,000 SF/200m²

ITEM NUMBERS: 
 2807 220V/230V - Item #432807230
 2807 380V/480V - Item #432807480

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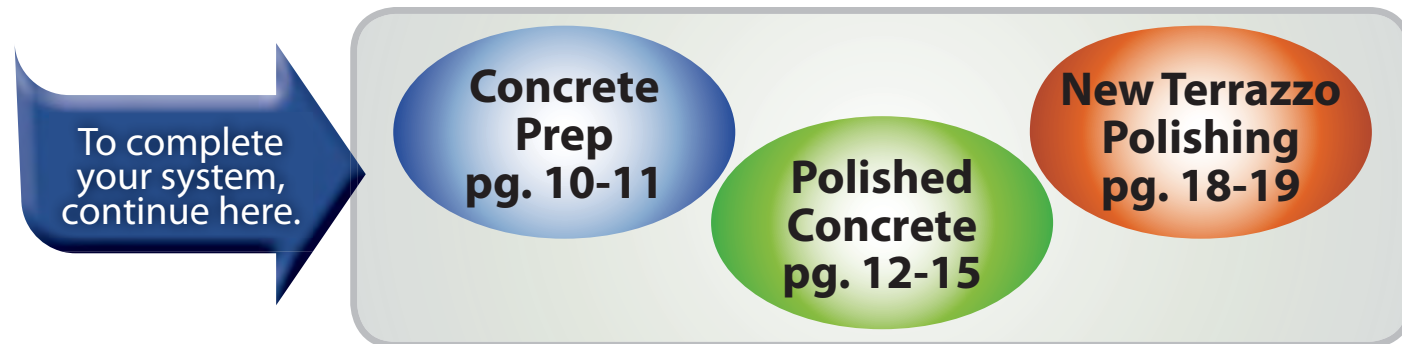
Specifications

Motor	7.5 HP - 3 phase 5.5kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	25 ft./8m (6-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	733 lbs. 332 kg
Tool RPM	300 RPM to 750 RPM variable
Number of Tools	6
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	72" L x 28" W x 50" H 183 cm x 71 cm x 127 cm
Recommended Vacuum	3003G (300CFM) or equivalent

Production Rates

Mastic Removal	375 SF /35 m ² per hr
Thin Set Removal	425 SF /40 m ² per hr
Mil Coatings Removal	225 SF /21 m ² per hr
Polished Concrete	575 SF /53 m ² per hr

P/M Diamond Systems for the STI-2807



STI-2818LP Prep/Master®

Project sizes over 2,000 SF/200m²

ITEM NUMBERS: 
 Item #432818001

It's a System

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PROPANE MODEL

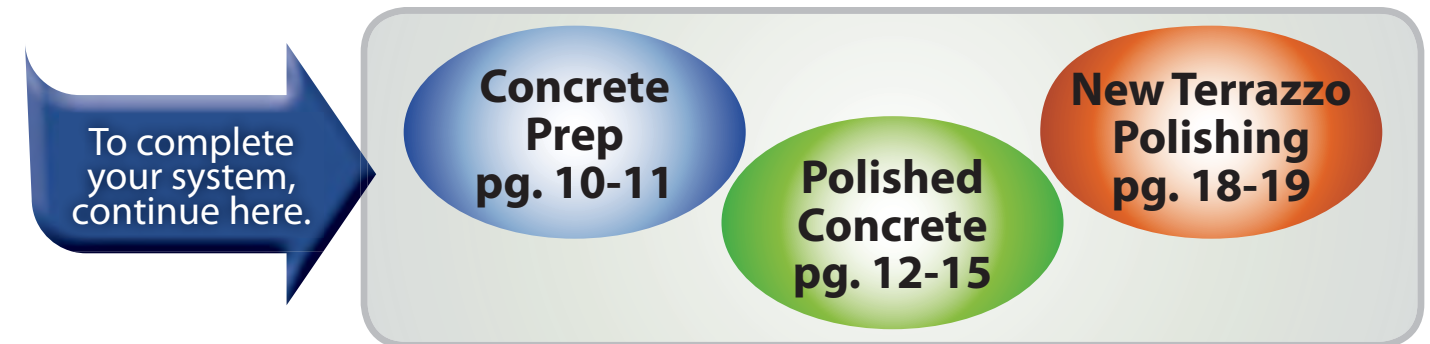
Specifications

Motor	Kawasaki 18HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	829 lbs. 376 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	6
Tools Attachment Style	EG Proprietary Attachment System
Pressure on Tools	485 lbs./220 kg with weights
Dimensions	73" L x 30" W x 50" H 185 cm x 76 cm x 127 cm
Recommended Vacuum	3003G (300CFM) or equivalent

Production Rates


Mastic Removal	375 SF /35 m ² per hr
Thin Set Removal	425 SF /40 m ² per hr
Mil Coatings Removal	225 SF /21 m ² per hr
Polished Concrete	575 SF /53 m ² per hr

P/M Diamond Systems for the STI-2818LP



STI-2420 Prep/Master®

Project sizes over 5,000 SF/500m²

ITEM NUMBERS: 
 2420 220V/230V - Item #432420230
 2420 380V/480V - Item #432420480

It's a System

 Not a Machine



Specifications

Motor	20 HP - 3 phase 14.7kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	25 ft./8m (6-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m x Two
Weight	978 lbs. 444 kg
Tool RPM	250RPM (30Hz) to 750RPM (90Hz)
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	75"L x 27"W x 50"H 191 cm x 69 cm x 127 cm
Recommended Vacuum	Red Raider (360CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	475 SF /44 m ² per hr
Thin Set Removal	525 SF /49 m ² per hr
Mil Coatings Removal	325 SF /30 m ² per hr
Polished Concrete	925 SF /86 m ² per hr

P/M Diamond Systems for the STI-2420



Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

New Terrazzo Polishing
pg. 18-19

STI-2418LP Prep/Master®

Project sizes over 5,000 SF/500m²

ITEM NUMBERS: 
 Item #432818001

It's a System

 Not a Machine



Specifications

Motor	Kawasaki 18HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m x Two
Weight	895 lbs. 406 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	12
Pressure on Tools	630 lbs./286 kg with weights
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	78"L x 30"W x 48"H 198 cm x 76 cm x 122 cm
Recommended Vacuum	Red Raider (360CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	475 SF /44 m ² per hr
Thin Set Removal	525 SF /49 m ² per hr
Mil Coatings Removal	325 SF /30 m ² per hr
Polished Concrete	925 SF /86 m ² per hr

P/M Diamond Systems for the STI-2418LP



Concrete Prep
pg. 10-11

Polished Concrete
pg. 12-15

New Terrazzo Polishing
pg. 18-19

STI-3030 Prep/Master®

Project sizes over 10,000 SF/1,000 m²

ITEM NUMBERS:

- 3030 220V/230V - Item #433030230
- 3030 380V/480V - Item #433030480
- 3025 220V/230V - Item #433025230
- 3025 380V/480V - Item #433025480



Specifications

Motor	30 HP - 3 phase 22kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	25 ft./8m (6-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,320 lbs. 599 kg
Tool RPM	300 RPM to 750 RPM variable
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	86"L x 30"W x 52"H 218cm x 76cm x 132cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

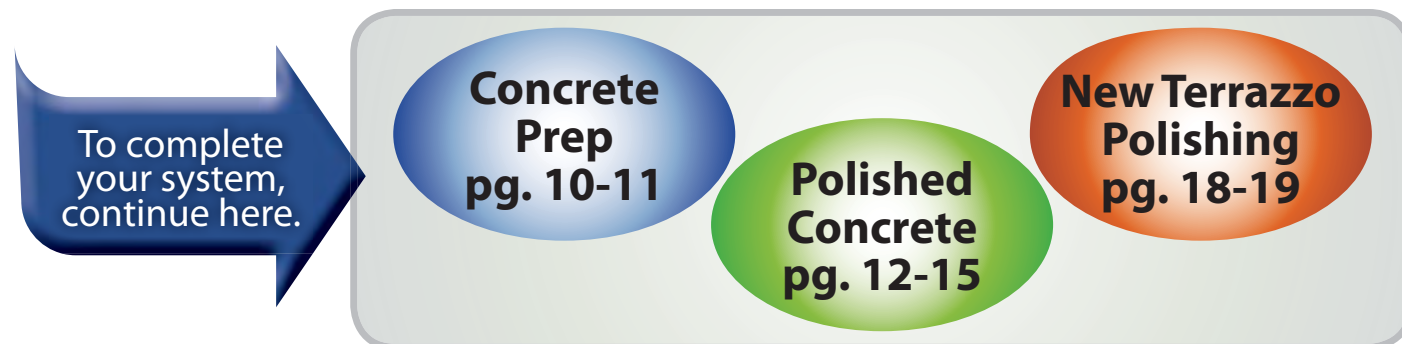
Production Rates

Mastic Removal	600 SF /56 m ² per hr
Thin Set Removal	600 SF /56 m ² per hr
Mil Coatings Removal	425 SF / 39 m ² per hr
Polished Concrete	1,200 SF /111.5 m ² per hr

It's a System
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P/M Diamond Systems for the STI-3030



STI-3038LP Prep/Master®

Project sizes over 10,000 SF/1,000 m²

ITEM NUMBERS:
Item #433038001



It's a System
P/M
Not a Machine



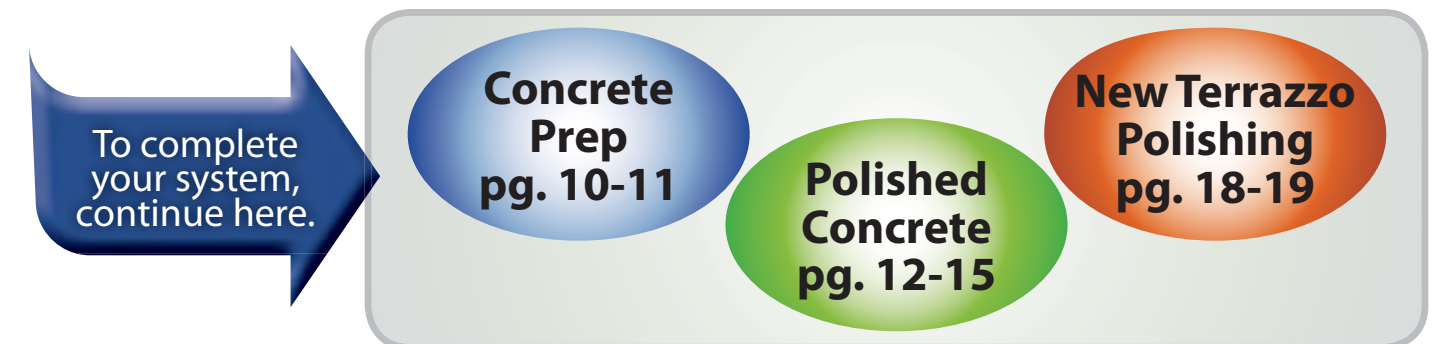
Specifications

Motor	Kawasaki 38HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,084 lbs. 492 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	12
Tools Attachment Style	EG Proprietary Attachment System
Pressure on Tools	485 lbs./220 kg with weights
Dimensions	86"L x 30"W x 48"H 218 cm x 76 cm x 122 cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	600 SF /56 m ² per hr
Thin Set Removal	600 SF /56 m ² per hr
Mil Coatings Removal	425 SF / 39 m ² per hr
Polished Concrete	1,200 SF /111.5 m ² per hr

P/M Diamond Systems for the STI-3038LP



STI-4430 Prep/Master®

Project sizes over 20,000 SF/2,000 m²

ITEM NUMBERS:



- 4430 220V/230V - Item #434430230
- 4430 380V/480V - Item #434430480
- 4425 220V/230V - Item #434425230
- 4425 380V/480V - Item #434425480

It's a System

 Not a Machine



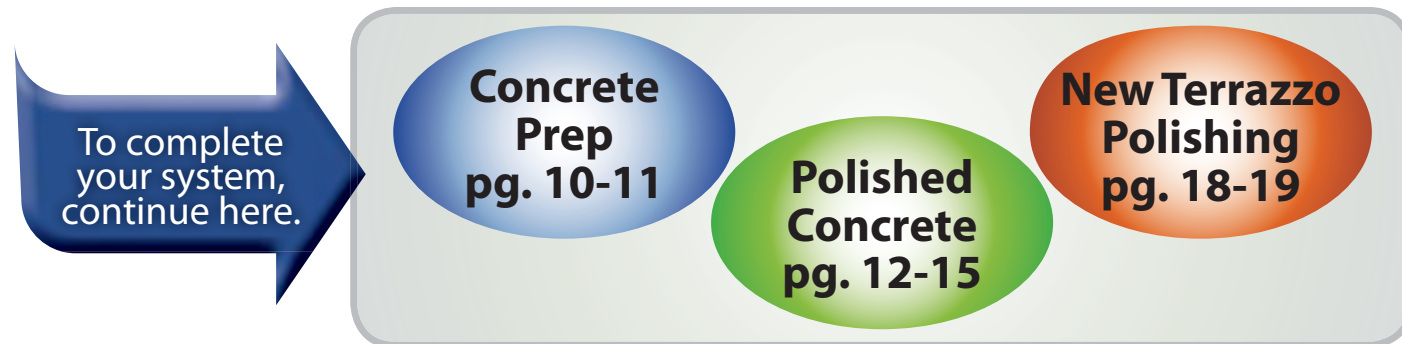
Specifications

Motor	30 HP - 3 phase 22kW
Power Source	220/230 VAC 1 or 3 Phase 60 Hz 380/480 VAC 3 Phase 50-60Hz
Power Cord	25 ft./8m (6-4)
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,460 lbs. 662 kg
Tool RPM	250RPM (30Hz) to 750RPM (90Hz)
Number of Tools	24
Tools Attachment Style	EG Proprietary Attachment System
Dimensions	80"L x 44"W x 52"H 203 cm x 112 cm x 132 cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	725 SF /67 m ² per hr
Thin Set Removal	725 SF /67 m ² per hr
Mil Coatings Removal	575 SF /53 m ² per hr
Polished Concrete	5,025 SF /467 m ² per hr

P/M Diamond Systems for the STI-4430



STI-4438LP Prep/Master®

Project sizes over 20,000 SF/2,000 m²

ITEM NUMBERS:
 Item #434438001



It's a System

 Not a Machine



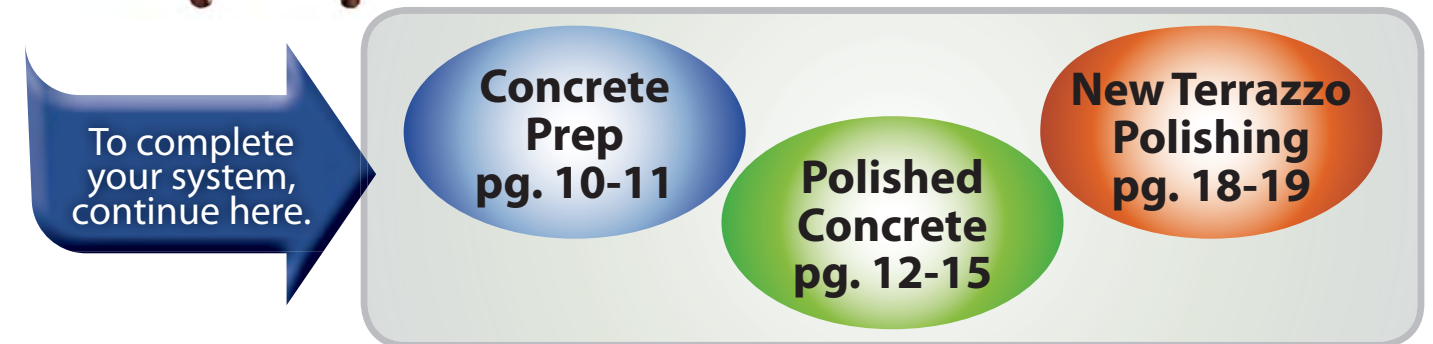
Specifications

Motor	Kawasaki 38HP LP
Motor RPM	2,200 - 3,650 RPM
Vacuum Hose Connection	3 in./76mm x 25 ft./8m
Weight	1,315 lbs. 596 kg
Tool RPM	366 RPM to 500 RPM
Number of Tools	24
Tools Attachment Style	EG Proprietary Attachment System
Pressure on Tools	1,005 lbs./456 kg with weights
Dimensions	78"L x 44"W x 50"H 198 cm x 112 cm x 127 cm
Recommended Vacuum	Duo Vac (630CFM) with pre-separator or equivalent

Production Rates

Mastic Removal	725 SF /67 m ² per hr
Thin Set Removal	725 SF /67 m ² per hr
Mil Coatings Removal	575 SF /53 m ² per hr
Polished Concrete	5,025 SF /467 m ² per hr

P/M Diamond Systems for the STI-4438LP



To complete your system, continue here.

Concrete Prep

Concrete Prep

con•crete prep (kän krēt' prep), **n.** surface grinding, removal of mastic, adhesives, thin set, epoxy coatings, surface laitance, and surface correction of rain slabs

CHOOSE YOUR PROFILE OBJECTIVE

Rough Profile

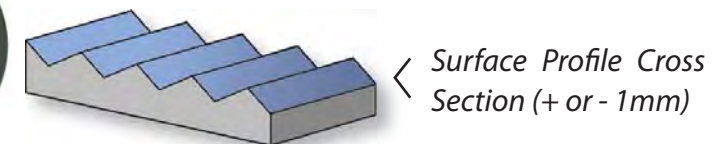
Smooth Profile for polishing or installation of floor material

Your Prep/Master® achieves the most efficient, effective, and profitable performance by choosing the tools below.

All EG tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).



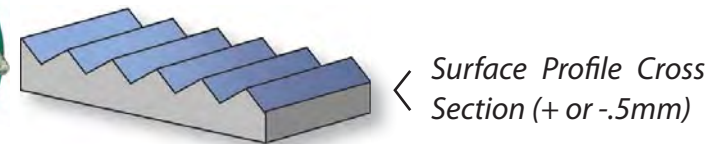
DOUBLE PCD EG PREP TOOL



- One set of Double PCD EG Prep Tools consists of 50/50 right-hand tool and left-hand tool
- Item #571603418 Right-hand PCD Tool
Item #571603412 Left-hand PCD Tool



3-OVAL EG DIAMOND TOOL



- Item #540243000
Item #571522325 Hard Bond
Item #571522326 Super Hard Bond

Number of Diamonds Needed for EACH Step	Machine Model	See Page
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

To complete your system, continue here.

Concrete Polishing

Polished Concrete

polished concrete (päl'isht känkret'), n. a concrete surface that has been processed using progressively finer grits to produce a reflective condition

CHOOSE YOUR METHOD

Dry Process

STI EGT Polishing System

Wet-Dry Process

STI PMW Polishing System

STI EGT Polishing System

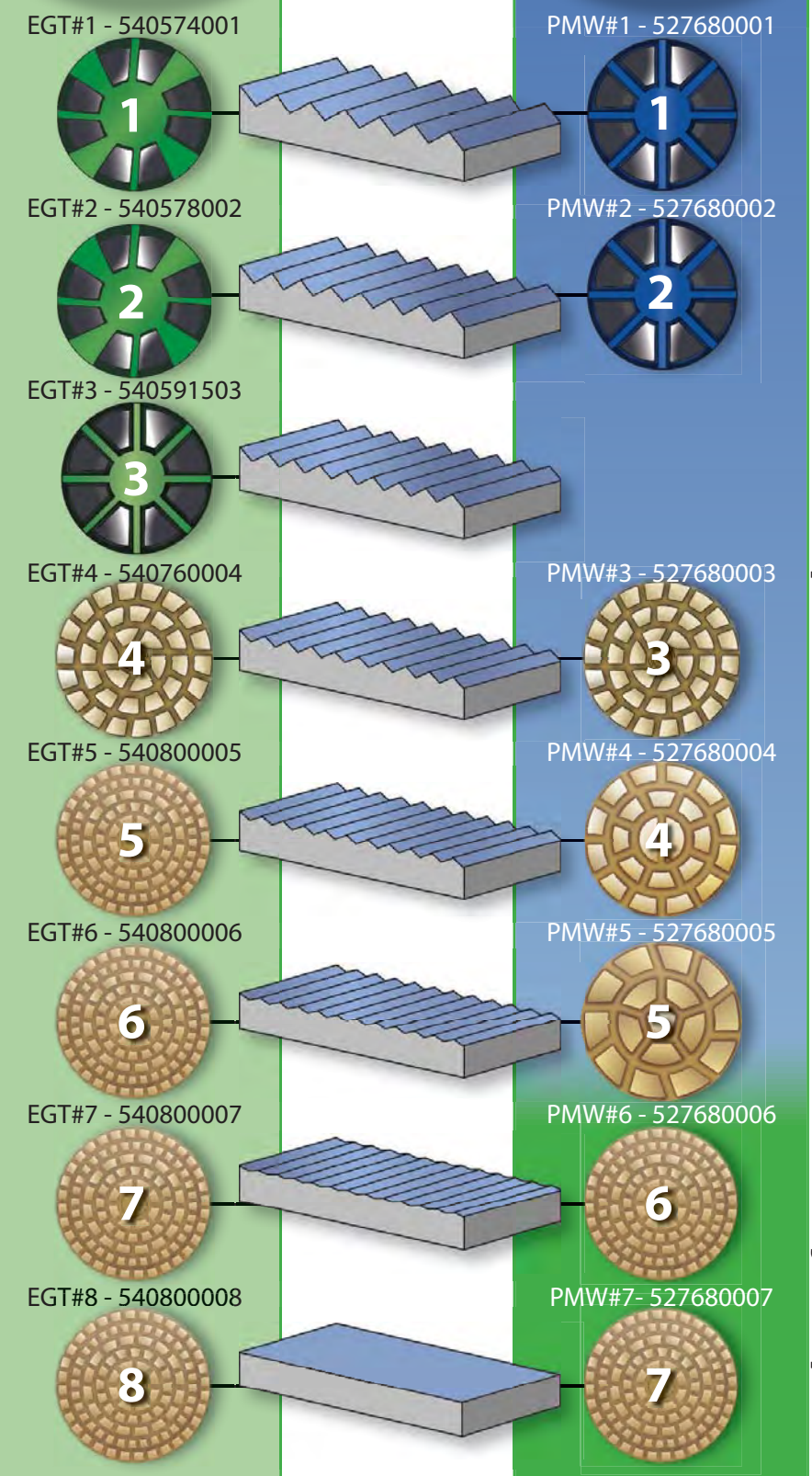
SURFACE PROFILE

STI PMW Polishing System

Dry Steps Only

Wet Steps

Dry Steps



Your Prep/Master® achieves the most efficient, effective, and profitable performance by choosing the tools below. All EGT tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).

Number of Diamonds Needed for EACH Step	Machine Model	See Page
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9



To complete your system, continue here.

Classic

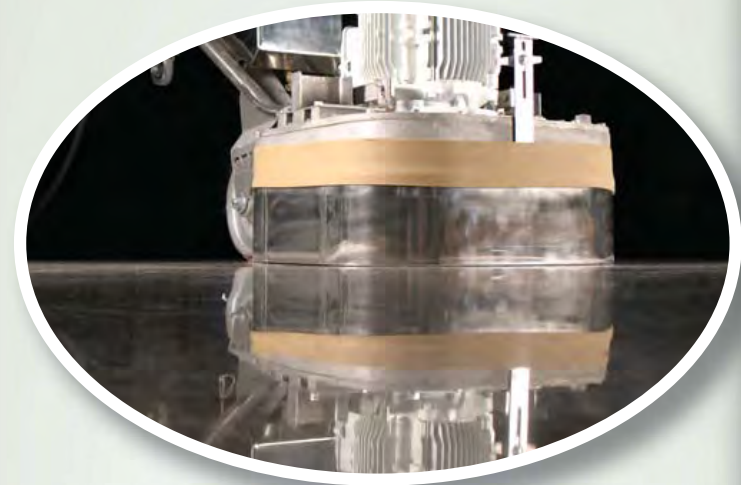
STI Classic Polish

sti classic pol-ish (es•tē•ī klas'ik päl'ish), n. a grinding and polishing system that is result driven to adequately process and finely polish a concrete floor to its highest possible shine

FOR A HIGH GLOSS SHINE

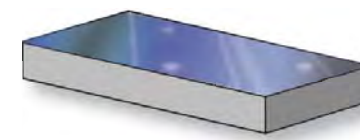
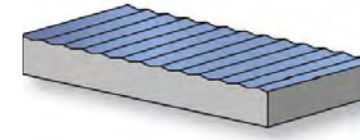
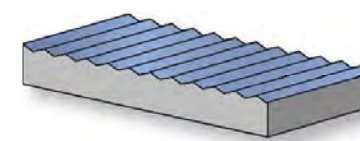
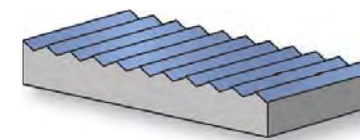
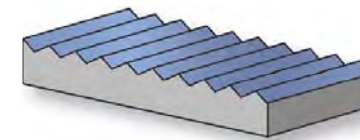
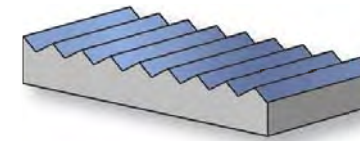
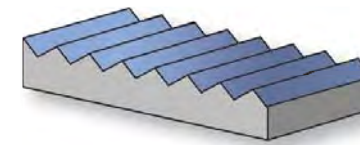
Dry-Wet-Dry Process

STI Classic Polishing System



STI Classic Polishing System

SURFACE PROFILE



Classic#1 - 530400001



Classic#2 - 530700002



Classic#3 - 530746003



Classic#4 - 530752004



Classic#5 - 530860005



Classic#6 - 530870006



Classic#7 - 530880007



Dry Step

Wet Steps

Dry Steps

Your Prep/Master® achieves the most efficient, effective, and profitable performance by choosing the tools below. All EGT tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).

Number of Diamonds Needed for EACH Step	Machine Model	See Page
6	STI-2807	2
6	STI-2818LP	3
12	STI-2420	4
12	STI-2418LP	5
12	STI-3030	6
12	STI-3038LP	7
24	STI-4430	8
24	STI-4438LP	9

To complete your system, continue here.

Planetary

STI PLP Polishing System

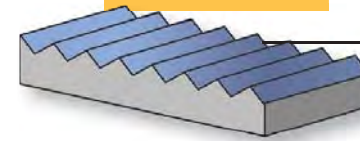
sti plp pol·ishing system (es·tē·ī pē-el-pē päl'ish-ing), **n.** a grinding and polishing system that is result driven to adequately process and finely polish a concrete floor to its highest possible shine

FOR PREP TO POLISH

Dry Process

PLP
Planetary
Polishing

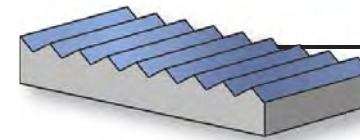
SURFACE PROFILE



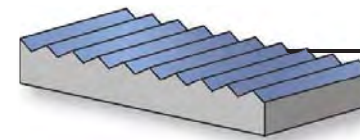
PLP#1 - 585400001



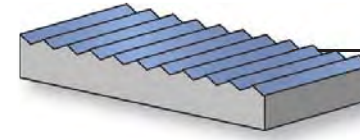
PLP#2 - 585400002



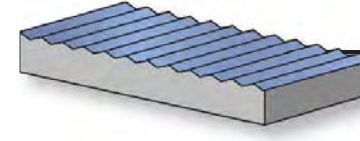
PLP#3 - 585400003



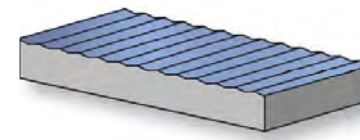
PLP#4 - 585400004



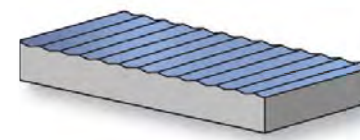
PLP#5 - 585400005



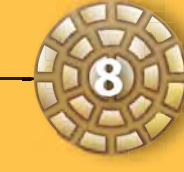
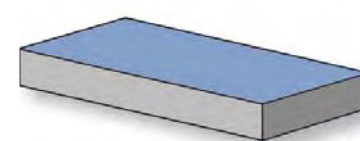
PLP#6 - 585400006



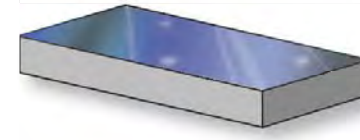
PLP#7 - 585400007



PLP#8 - 585400008



PLP#9 - 585400009



Dry Steps

PLP
Planetary
Polishing

Your Planetary machine achieves the most efficient, effective, and profitable performance by choosing the tools below.

All PLP tools on this page are built with the patented EG Quick Change System (Patent 8,192,255).

See page 21 for STI Planetary Machines.

650mm-750mm Machines

Steps #1 thru #4	9 tools
Step #5	12 tools
Step #6 thru #9	9 tools

750mm-800mm Machines

Steps #1 thru #4	9 tools
Step #5	15 tools
Step #6 thru #9	12 tools

800mm Machines & Above

Steps #1 thru #4	12 tools
Step #5	15 tools
Step #6 thru #9	12 tools

To complete your system, continue here.

Terrazzo

New Terrazzo Polishing

new te•rrazzo pol•ishing (nōō te-raz'ō päl'ish-ing), **n.** the grinding and polishing of new epoxy terrazzo from first cut to final polish to produce the highest possible natural shine

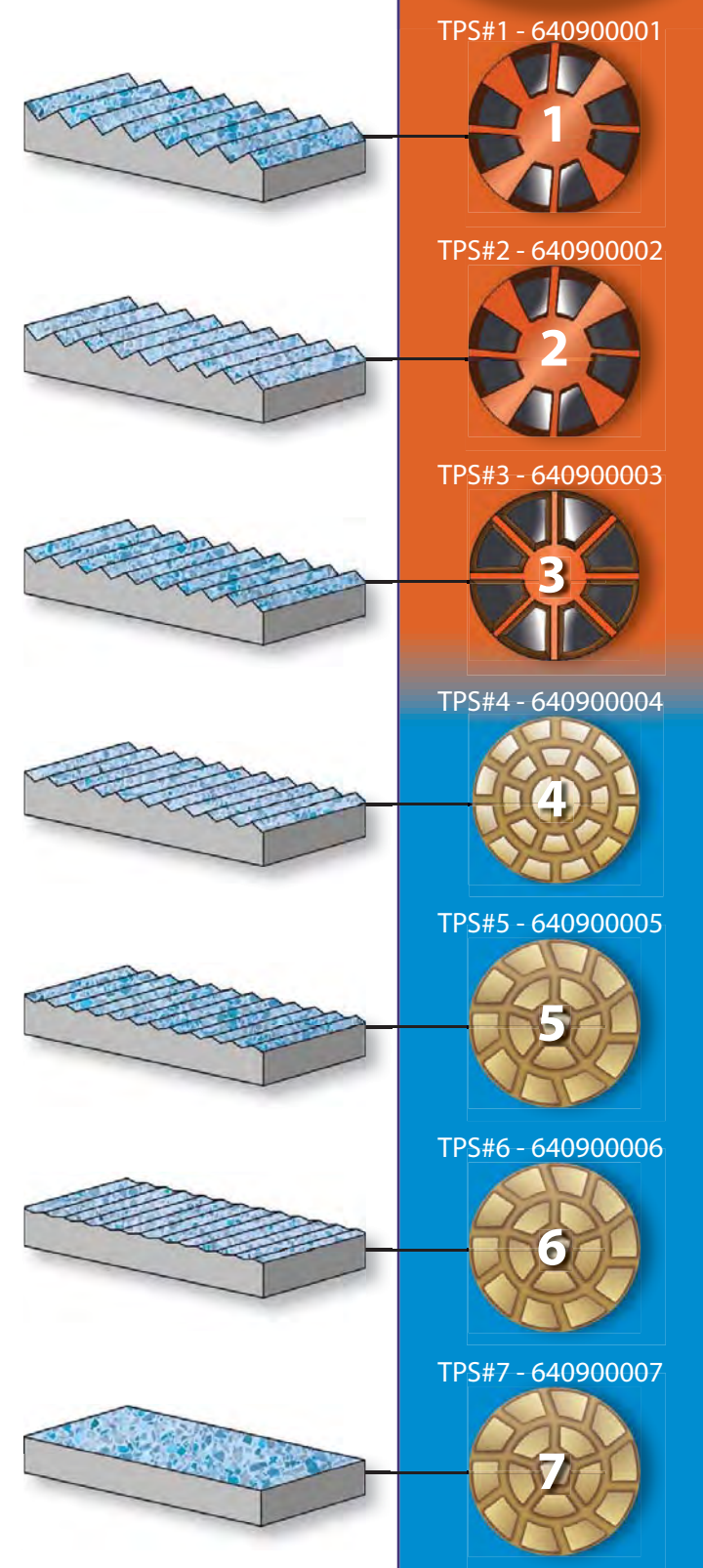
FOR PREP TO POLISH

Dry-Wet Process

New Terrazzo Polishing

New Terrazzo Polishing

SURFACE PROFILE



TPS#1 - 640900001

TPS#2 - 640900002

TPS#3 - 640900003

TPS#4 - 640900004

TPS#5 - 640900005

TPS#6 - 640900006

TPS#7 - 640900007

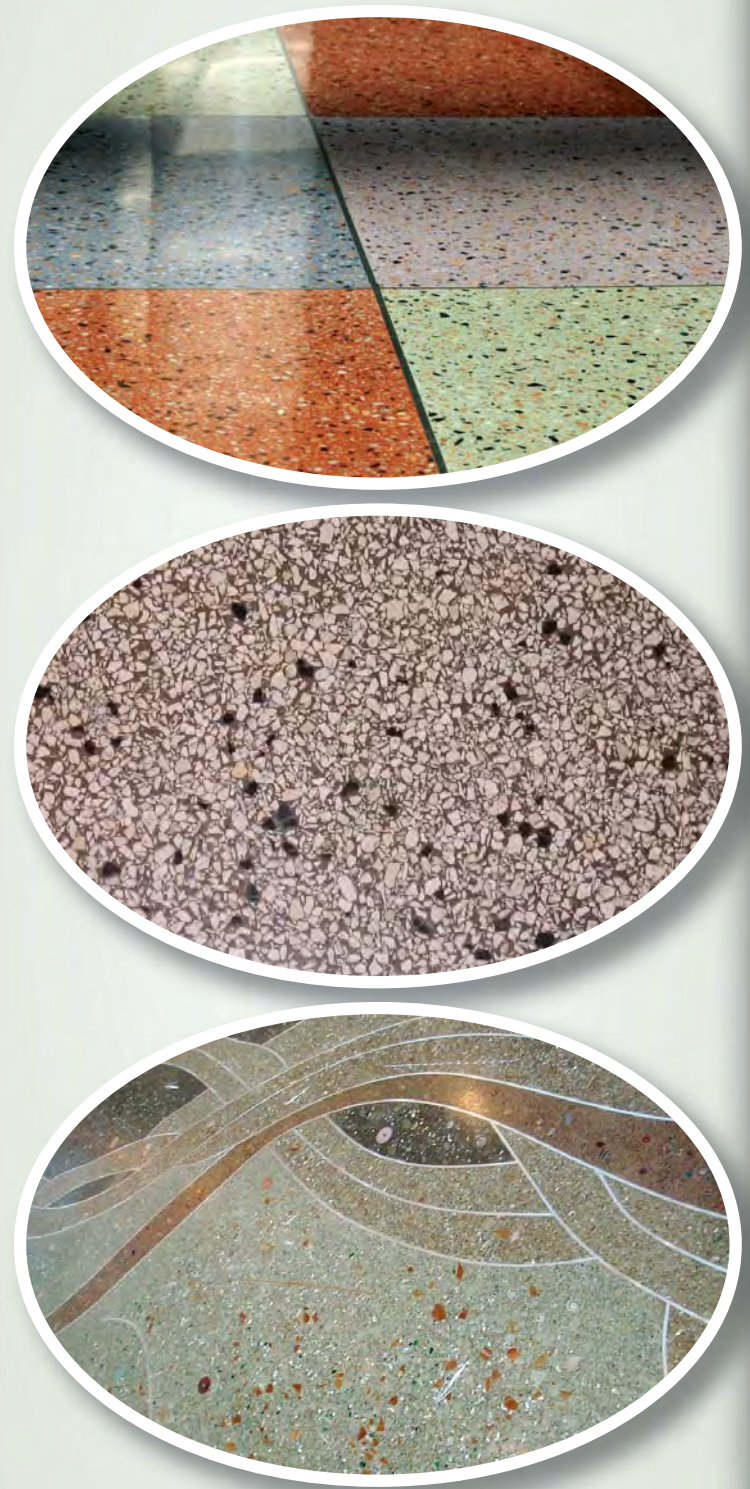
Dry Steps

Wet Steps

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Number of Diamonds Needed for EACH Step	Machine Model	See Page
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24	STI-4430	8
24	STI-4438LP	9



STI BURNISHERS



STI HYDRA 27

STI Hydra 27-inch Burnisher/Polisher!

- High Capacity Propane Planetary Polisher - 2,000SF per hour on Concrete
- Works great on Concrete, Terrazzo, Marble, & Granite
- Electronic ignition and clutch
- Run wet or dry
- Cogged belt for reliable performance
- Uses STI CASH Dots Diamonds



Item #80800027

Motor	17HP, Kawasaki LP
Burnishing Width	27"/685 mm
Performance (per hour)	2,000SF/186 m ²
Sound Level	87 DBA
Pad Speed	510 RPM
Width	29"/736 mm
Length	53"/134 cm
Height	40"/101cm
Weight	300lbs/136 kg
Shipping Weight	360lbs/163 kg
Pad Size	3x10"/250 mm



Uses STI's CASH Dots Diamond System

PMB-21

Ensures maximum speed while delivering superior results in substrate polishing!

- A low profile deck with bumper skirting
- Lower torque
- Tilt back deck design for quick pad changes
- Higher RPM burnishing speeds deliver superior wet look shine
- Powerful Kawasaki 18 HP 603cc engine
- EnviroGard emissions monitoring system and catalytic mufflers lower CO, HC and NOx emissions
- Standard water tank for wet operation only
- Uses STI CASH Dots Diamonds



Propane Version - Item #80800211

Electric Version - Item #80800210

	Propane Version	Electric Version
Burnishing Width	21"/530 mm	21"/530 mm
Performance (per hr.)	1,000 SF/93 m ²	1,000 SF/93 m ²
Sound Level	87 DBA	---
Pad Speed	1,800-3,500 RPM	1,800-3,500 RPM
Length	58"/147 cm	58"/147 cm
Width	28"/71 cm	28"/71 cm
Height	51"/129.5 cm	51"/129.5 cm
Weight	290 lbs/131.5 kg	237 lbs/107.5 kg
Pad Size	21"/530 mm	21"/530 mm

STI HAT-TRICK 800 & 500 PLANETARY MACHINES

Introducing the new STI Hat-Trick 800 and STI Hat-Trick 500 Planetary machines.

- Two Sizes: 31"/800mm and 19.6"/500mm
- Light duty grinders and high capacity polishers
- Works great on concrete, marble, terrazzo, and granite
- Soft-start, variable speed control makes it the perfect polisher for multiple applications
- Run wet or dry
- Strong cogged belt and simple design means long lasting performance and easy periodic maintenance



	800	500
Motor	5.5 HP, 4kW	3.5 HP, 2.6 kW
Power Source	230V - 1 or 3 phase 380/480V 3 phase	230V
Current	30 Amps	10 Amps
Motor RPM	1,750 RPM	1,445 RPM
Power Cord	30 ft./ 914cm	30 ft./ 914cm
Vacuum Hose (sold separately)	2 in./51mm x 25 ft./8m	2 in./51mm x 25 ft./8m
Pressure on Tools	6 weights - 397 lbs./180kg	6 weights - 210 lbs./95kg
Dimensions	41" L x 20" W x 42" H 104cm x 51cm x 107cm	35" L x 23" W x 31" H 89cm x 58cm x 79cm
Cleaning Path	40"/1,016mm	23"/584mm
Recommended Vacuum	DuoVac or equivalent	DuoVac or equivalent
Item #	HTM800STVS	HTM500STVS

STI EDGER



PREP/MASTER PM200

Introducing the new STI Edge Grinder and Polisher!

- Works great on Concrete, Terrazzo, Marble, & Granite
- Gets up to 1/8 inch to the edge
- Electronic ignition
- Run wet or dry

Item # 102000016



Power Source	220/230 VAC 1 or 3 Phase - 50/60Hz 380/480 VAC 3 Phase - 50/60Hz
Power Cord	25ft./8m (6-4)
Vacuum Hose Connection	2in./50mm
Weight	120 lbs./55Kg
Total RPM	1,000 to 2,000 Variable
Tool Attachment Style	EG Patented System
Dimensions	20.5"W x 36-40"H x 36-37"L 52cm W x 91-101cm H x 91-94cm L
Recommended Vacuum	2003P or equivalent

VON ARX PROFILERS, SCARIFIERS, & NEEDLE SCALERS



VON ARX 30 SH WITH HYDRAULIC TRACTION

- Electrical power: 3x 480V / 60Hz
- Motor: 10HP
- Working width: 12"
- Distance to wall: 3.5"
- Dimensions: 53" X 22" X 43"
- Weight: 612 lbs.
- Standard Cutters: Octagonal Cutters or other available

Item #800707199

VON ARX 25 S

- Electrical power: 3x 480V/60Hz
- Motor: 6 HP
- Working width: 10"
- Distance to wall: 2.5"
- Dimensions: 37" X 18" X 46"
- Weight: 220 lbs. /
- Standard Cutters: Pentagonal Cutters or other available

Item #800706360



VON ARX DTF 25 SH

- Electrical power: 3x 480V/60Hz or 3x 240V/60Hz
- Motor: 15HP
- Working width: 10"
- Distance to wall: 3"/76mm
- Dimensions: 45" X 19" X 45"
- Weight: 473 lbs.
- Standard Cutters: Diamond blade drum

480V: Item #800708701



PREP/MASTER® 45B

- Weight: 10.6 lbs.
- Air consumption: 5.6 cfm
- Needles ø 3mm: 49 needles
- Air pressure: 100 psi
- Connection thread: R 3/8"
- Acoustic power level: 101 dB

Item #800700409



View the Von Arx full product line at vonarx.com.

STI VACUUMS



RUWAC DUOVAC 220-S PORTABLE VACUUM

- Use dry only
- Two WS2320-220 vacuums (4 HP each)
- 220 Volt, single phase, 60 Hz
- #2050-230-60 Distribution Box
- 60 Amp auxiliary receptacle and male plug
- 56 Ft2 Microclean filter with manual shaker system
- Special manifold with 3-in. inlet (4" & 5" Available upon request)
- Silencer system with air intake system for maximum cooling
- 18 Gallons, two-9 gallon, foot lever actuated dustpans
- Quick disconnect base assembly w/ 3-in. (heavy duty double casters)

Item #RUWAC-DUOVAC220



RUWAC DS2720-CON

- Use dry only
- 10 HP TEFC Motor, 460 Volt, 3-Phase, 60 Hz, 12 Amps
- #2050-460 Distribution Box
- 48 ft. 2 MicroClean Filter with Manual Shaker System
- 2.75" (70mm) Inlet Connection with Aluminum Cast Deflector
- Two Multi-Stage Centrifugal High Performance Turbines w/ Relief Valve, 506 CFM
- 24 Gallon, Foot Lever Actuated Dustpan w/ Casters
- Counterbalanced Base with 6-in. Heavy Duty Double Casters
- Fiberglass Reinforced Thermoplastic Housing

Item #RUWAC-DS2720



RUWAC PV10 PORTABLE VAC

- Use dry only
- Operates independent of power cords, airlines and electricity
- Powerful heavy duty 17 HP Kawasaki® propane engine
- 12V electric start allows for remote usage
- Multi-stage centrifugal high performance turbine with relief valve
- 300 CFM
- 95 H2O" / 7 Hg"
- 28 sq. ft. MicroClean filter
- 9 gallon dustpan capacity
- 2.75-in. inlet
- Optional attachment: Ruwac HEC-DB

Item #RUWAC-PV10



RUWAC HEC-DB

- Attaches to the PV10 Portable Vac to separate out the heavier materials first
- Available w/ 8", 12" or 14" HEC
- Direct Bagging System ensures for dust-free emptying
- Removes 99% of ultra-fine dust

Item #RUWAC-HECDB



PREP/MASTER® E/Z VAC III

- Use wet or dry
- 110V / 12-gallon tank
- 38"H x 25"W x 29"L
- Hepa filter included
- 3 ft. flexible drain hose for emptying
- 24" front-mount squeegee
- Dumping mechanism—no more clogged waste hose

Item #EZ VAC III



20" SWING MACHINE



Perfect for the restoration and maintenance of marble, tile, terrazzo, stone, & concrete. Can also be used for standard floor scrubbing, stripping, & polishing applications.

- 120V/1.5 HP
- Dual Electric Motor: 175 & 300 RPM
- DC rectified for A/C operation
- Voltage meter
- Weight system: two—25 lb. and two—10 lb. weights
- Four-gallon water tank
- 11:1 gear ratio
- Useful for grinding, polishing, & polishing compound application
- Dumping mechanism—no more clogged waste hose

Item #364592

17" & 20" SWING MACHINE ACCESSORIES



Diamond Disc Driver

- Round plate that accommodates six rubber pad holders or prep tools
- High impact polyethylene construction
- Universal mounting arbor for twist-lock attachment

17" Item #ZRML17

20" Item #ZRML20



Pad Driver

- Round spike plate that accommodates fiber pads for polishing and scrubbing
- High impact polyethylene construction
- Universal mounting arbor for twist-lock attachment

17" Item #STI SPK17

20" Item #STI SPK20



Splash Guard

- Round splash guard fits around Diamond Disc Driver
- Protects adjacent surfaces from slurry splatter & floats with uneven surfaces
- Flexible polyethylene construction
- Light weight; Easy attachment

17" Item #STI SG17

20" Item #STI SG20

BROOMS & SQUEEGES



STI SPEED SWEEP® DAT

- Split tip bristle for conservative application of densifier
- Durable head design
- Allows handle to pivot for use of both sides of bristles
- All-Steel Handle is not included (see item # below)

Size	Item#
14 in.	236140
18 in.	236180
24 in.	236240
30 in.	236300
36 in.	236360



STI MOSS FF SQUEEGEE

- Hinged socket; use pushing or pulling
- Perfect for pushing or pulling concrete slurry
- All-Steel Handle is not included (see item # below)

Size	Item#
18 in.	629180
18 in. refill	628180
36 in.	629360
36 in. refill	628360



ALL-STEEL HANDLE

- This item is sold separately.
- Item #: 190300

STI TOOL HOLDERS

STI TOOL PLATE

- Holds all STI tooling & diamonds
- Gives the flattest possible floor finish

Fits Machines	Item #
2420 & 4430	884024443
2807 & 3030	884028303



EG ADAPTER PLATE – “QUICK CHANGE”

- Attaches to modified STI Tool Plate for after market assembly
- Designed for use with the EG Metal Bond Diamond & EG Adapter-Velcro
- Mounts using 2 bolts (included)



Item #57000014

MORFLEX COUPLER

- Provides flexibility for the tools to follow the contour of the floor
- Good replacement part to have on hand for less downtime
- Three styles available:
 - 502: Standard Flex
 - 602: Standard Flex
 - 702: Rigid for flattest cut



Size	Item #
502	880000502
602	880000602
702	880000702

CUP WHEELS

SHARK 7-INCH/180MM CUP WHEEL

- Unique diamond design
- Quick removal of epoxy or mortar
- Fast cut on hard concrete
- 7/8", Non-threaded arbor
- 30 grit

Item #: GS7CW



E/Z BACKERS

- Bolts to E/Z plug holder
- Velcro backing securely holds diamond pads in place
- Velcro backing allows for fast and easy diamond pad replacement



Aluminum Milled Holder

- Aluminum backer with machined 5/8"-11 arbor



Rubber Holder

- Rubber backer with 5/8"-11 arbor



Bakelite Holder

- Hot-pressed rigid bakelite with 5/8"-11 arbor

Holder	Size	Item #
Aluminum	3"	803000001
Aluminum	4"	804000001
Rubber	3"	803000003
Rubber	4"	804000003
Bakelite	3"	803000002
Bakelite	4"	804000002

POLISHING TOOLS

ECO/PREP 500 POLISHING PADS

- Used for polishing on the ECO/PREP 500 or other machines with similar head pressure
- Great shine in less steps
- 3"/76mm polishing pad
- Use wet or dry
- Velcro-backed

Grit	Item #
#3	503150003
#4	503150004
#5	503150005
#6	503150006
#7	503150007
#8	503150008
LUX	503150009



FL-08 CERAMIC PADS

- 3"/76mm velcro-backed pads
- Thorough scratch removal on medium strength concrete
- Dry use only



Grit	Item #
50	113523050
100	113523100

STI FL-08 Polishing System A 4-Step Process

- Same great FL-07 LUX finish but with 20% less work!
- Save on labor without sacrificing quality
- Lower cost per square foot compared to FL-07 LUX
- Easy to learn grit system — #5, #6, #7 & #8 — that's it!
- Size: 3" / 76mm

Grit	Item #
#5	208000005
#6	208000006
#7	208000007
#8	208000008



STI FL-07 Polishing System A 5-Step Process

- Specially formulated for concrete — ground with metal bond diamonds for the absolute best finish, OR use the LUX pad as a finishing tool for that extra "POP!"
- Fantastic life of 10,000 SF
- Works on the Prep/Master®, Planetary Machines, Terco® Machines, EDCO®, Swing Machines, and Werkmaster®

Grit	Item #
#3C	207000003
#4C	207000004
#5	207000005
#6	207000006
#7	207000007
#8	207000008
#LUX	207000009
#SBX	207000010



FL-07 Diamonds



FL-P Planetary Diamonds

- Used for polishing on the STI Hat-Trick Planetary models or other planetary machines only
- 3" / 76mm Velcro back tool
- Better finish in fewer steps



Grit	Item #
#3	209000002
#4	209000003
#4.5	209000004
#5	209000005
#6	209000006
#7	209000007
#8	209000008
LUX	209000009

SPIN-1

Diamond Polishing System



The new SPIN-1 Pad System polishes concrete faster and better than any other diamond buffing pad on the market and does the work in a fraction of the time when compared to large polishing machines.

- Great for maintaining Polished Concrete!
- Pad life is in excess of 20,000 SF
- Available in 21", 24" & 27" sizes to fit most propane burnishers

See Item# below



SPIN-1 PADS

21-inch / 533mm

Orange Grit	605330400
Silver Grit	605330800
Blue Grit	605331500
Red Grit	605333000
Black Grit	605339999

24-inch / 609mm

Orange Grit	606090400
Silver Grit	606090800
Blue Grit	606091500
Red Grit	606093000
Black Grit	606099999

27-inch / 685mm

Orange Grit	606850400
Silver Grit	606850800
Blue Grit	606851500
Red Grit	606853000
Black Grit	606859999



CASH

Diamond Polishing System
Casinos/Convention Centers/Airports/Schools/Hotels

The CASH Diamond Polishing pads are excellent for Casinos, Convention Centers, Airports, Schools, Hotels, and anywhere else that quick and effective polishing of concrete, terrazzo, marble, and granite is required.

- Excellent for Concrete, Terrazzo, Marble, and Granite surfaces!
- Be green — use with water. No chemical is required to achieve shine, but STI recommends PG2 (page 24) for abrasion resistance, slip resistance, and color enhancement
- Available in 10", 12", 13", 14", 16", 17", 18", 20", & 21" sizes to fit most electric buffers

See Item# to right



CASH PADS, DOTS, AND PAD DRIVERS

CASH PADS

10-inch / 254mm

#1	330100001
#2	330100002
#3	330100003

12-inch / 305mm

#1	330120001
#2	330120002
#3	330120003

13-inch / 330mm

#1	330130001
#2	330130002
#3	330130003

14-inch / 355mm

#1	330140001
#2	330140002
#3	330140003

15-inch / 381mm

#1	330150001
#2	330150002
#3	330150003

16-inch / 406mm

#1	330160001
#2	330160002
#3	330160003

17-inch / 432mm

#1	330170001
#2	330170002
#3	330170003

18-inch / 457mm

#1	330180001
#2	330180002
#3	330180003

20-inch / 508mm

#1	330200001
#2	330200002
#3	330200003

21-inch / 533mm

#1	330210001
#2	330210002
#3	330210003

CASH DOTS

10-inch / 254mm

50 grit	340100050
100 grit	340100100
200 grit	340100200
400 grit	340100400
800 grit	340100800
1500 grit	340101500
3000 grit	340103000

12-inch / 305mm

50 grit	340120050
100 grit	340120100
200 grit	340120200
400 grit	340120400
800 grit	340120800
1500 grit	340121500
3000 grit	340123000

13-inch / 330mm

50 grit	340130050
100 grit	340130100
200 grit	340130200
400 grit	340130400
800 grit	340130800
1500 grit	340131500
3000 grit	340133000

14-inch / 355mm

50 grit	340140050
100 grit	340140100
200 grit	340140200
400 grit	340140400
800 grit	340140800
1500 grit	340141500
3000 grit	340143000

15-inch / 381mm

50 grit	340150050
100 grit	340150100
200 grit	340150200
400 grit	340150400
800 grit	340150800
1500 grit	340151500
3000 grit	340153000

16-inch / 406mm

50 grit	340160050
100 grit	340160100
200 grit	340160200
400 grit	340160400
800 grit	340160800
1500 grit	340161500
3000 grit	340163000

17-inch / 432mm

50 grit	340170050
100 grit	340170100
200 grit	340170200
400 grit	340170400
800 grit	340170800
1500 grit	340171500
3000 grit	340173000

18-inch / 457mm

50 grit	340180050
100 grit	340180100
200 grit	340180200
400 grit	340180400
800 grit	340180800
1500 grit	340181500
3000 grit	340183000

20-inch / 508mm

50 grit	340200050
100 grit	340200100
200 grit	340200200
400 grit	340200400
800 grit	340200800
1500 grit	340201500
3000 grit	340203000

21-inch / 533mm

50 grit	340210050
100 grit	340210100
200 grit	340210200
400 grit	340210400
800 grit	340210800
1500 grit	340211500
3000 grit	340213000

CASH PAD DRIVERS

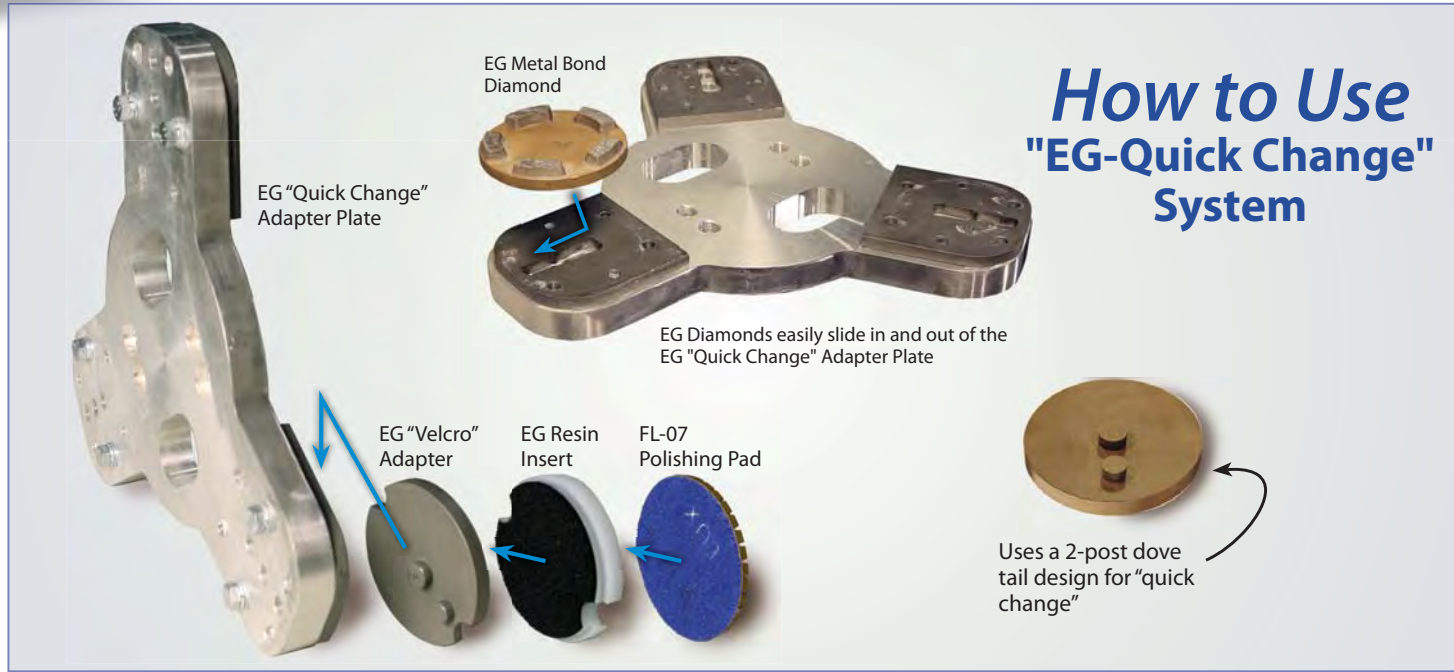
White Pad Drivers (Box of 5)

601230120	12"/305mm
601230130	13"/330mm
601230140	14"/355mm
601230160	16"/406mm
601230170	17"/432mm
601230180	18"/457mm
601230200	20"/508mm
601230210	21"/533mm

Black Rigid Drivers

204181200	12"/305mm
204181300	13"/330mm
204181400	14"/355mm
204181600	16"/406mm
204181700	17"/432mm
204181800	18"/457mm
204182000	20"/508mm





How to Use "EG-Quick Change" System

EG Diamonds easily slide in and out of the EG "Quick Change" Adapter Plate

Uses a 2-post dove tail design for "quick change"

EG-QUICK CHANGE ADAPTERS



10 SEGMENT ADAPTER FOR QUICK CHANGE

- Adapter allows for 10S tools to be quickly changed without hardware

Item #570001057



EG ADAPTER – "VELCRO"

- 3 inch diameter
- Female adapter for quick change
- For use with EG Resin Insert

Item #570000031



EG RESIN INSERT

- 3 inch diameter
- Extra support secures tool to velcro head
- Grooved side fits into EG Adapter–Velcro & EG Adapter–Three Hole

Item #570000026

CONCRETE PREP TOOLS



EG PREP TOOLS FOR REMOVAL

- Fast cutting metal bond tools
- Used to remove epoxy, adhesive, & thin-set
- Great price—variety of styles and grits
- Not recommended when polishing is to be provided
- Color coded for easy identification
- Quick Change attachment

Color	Grit	Bond	Item #
Orange	25	Medium	570225300
White	18	Medium	570218200
Black	25	Hard	570225301
Grey	20	Hardest	570220000
Grey (with pin)	20	Hardest	110220000



EG SQUARE PREP TOOL

- Two segment diamond for Hard Concrete
- Use wet or dry
- Good Life/Fast Cut
- Comes in three grits
- Quick Change attachment
- Used on ECO/PREP 500 or other light duty machines

Grit	Item #
30	571930201
50	571950201
80	571980201



EG SHARK METAL BOND DIAMOND

- 3"/76mm - only size available
- Unique diamond design
- Quick removal of thin-mil coatings
- Quick Change
- Use wet or dry

Grit	Item #
30	575K30
80	575K80



EG TURBO CUP

- Use wet or dry
- Used for first cut/closing cuts on new or existing epoxy/portland terrazzo
- Metal bond diamond for aggressive cutting
- 3"/76mm diameter
- Quick Change attachment

Grit	Item #
16	572400160
24-"Normal"	572400240
24-"Hard Bond"	572400241
24-"Soft Bond"	572400245
24-"Super Soft Bond"	572400246
40	572400400
80-"Normal"	572400800
80-"Hard Bond"	572400801
80-"Soft Bond"	572400805
80-"Super Soft Bond"	572400806
120	572400120



EG 10S DIAMOND SEGMENTS

- Use for opening steps on uncoated concrete
- Excellent scratch pattern for old or new concrete
- Use wet or dry
- 6 mm thickness
- 3"/76mm diameter
- Quick Change attachment

Grit	Item #
16	571016000
30	571030000
30-"Hard Bond"	571030001
70	571070000
120	571012000



DAISY CUTTER-12

- 3"/76mm Metal Bond diamond
- Great for polishing preparation on concrete, granite, and terrazzo
- Sintered diamond technology for smooth cut
- Use wet or dry

Grit	Item #
30	570430000
50	570450000
70	570470000
120	570412000

TERRAZZO/MARBLE FINISHING

STI TERRAZZO PADS



- For wet polishing epoxy- and portland-based terrazzo and stone
- Used as first cut tool on new, unsealed concrete; and closing step & first step of restoration
- Specialized matrix for aggressive cut with fine scratch pattern
- 3"/76mm diameter: 8 mm
- 4 3/4" & 5 3/4" diameters: 3 mm
- No center hole on 3"/76mm size eliminates collection of debris & spent diamonds

Grit	3 in.-Item#	4 3/4 in.-Item#	5 3/4 in.-Item#
50	920000050	920475050	920575050
100	920000100	920475100	920575100
200	920000200	N/A	N/A

STI E/Z REDZ PADS



- For wet polishing epoxy- and portland-based terrazzo & stone
- Used for closing/polishing steps
- 3"/76mm diameter
- 8mm thickness
- No center hole eliminates collection of debris and spent diamonds

Grit	Item #
100	918000100
200	918000200
400	918000400
800	918000800
1500	918001500



STI GRANITE PADS

- Velcro-backed, 3"/76mm wet tool
- For the best finish on Granite
- Fast Cutting, Smooth Finish
- Available in Cu Bond & Phenolic

Grit [Cu Bond]	Item #
30	EMG0030COP
50	EMG0050COP
100	EMG0100COP

Grit [Phenolic]	Item #
100	EMG0100
200	EMG0200
400	EMG0400
800	EMG0800
1500	EMG1500
3000	EMG3000



STI-7" RING-TYPE POLISHING PADS

- Works wet or dry
- For use with any variable speed 7" grinder

Grit	Item#
35	713000035
50	713000050
100	713000100
200	713000200
400	713000400
800	713000800
1500	713001500



STI-7" FULL FACE POLISHING PADS

- Works wet or dry
- For use with any variable speed 7" grinder

Grit	Item#
35	763000035
50	763000050
100	763000100
200	763000200
400	763000400
800	763000800
1500	763001500



CASH 7" POLISHING DOTS & PADS

- For low-speed hand-polishers
- Great for Marble, concrete or terrazzo
- All the great finish of the CASH system in a smaller size

Grit	Item#
50	340070050
100	340070100
200	340070200
400	340070400
800	340070800
1500	340071500
3000	340073000
#3	330070003
#2	330070002
#1	330070001



STI-7" RUBBER HOLDER

- Rubber backer with velcro to hold 7" Ring Type or Full Face Polishing Pads

Item #807000003



STI-7" RIGID HOLDER

- Bakelite backer with velcro to hold 7" Ring Type or Full Face Polishing Pads

Item #807000002

POLISHING COMPOUND, SEALERS, & CLEANERS



E/Z POLISH



- Ready-mixed polishing paste
- For polishing marble, limestone and terrazzo
- Aids in water and stain resistance
- Increases density of surface
- Ideal for maintenance program
- Easy-to-use, non-etching, non-noxious odor
- Easy clean-up
- Available in 10 lb. and 25 lb. containers

Item #EZP-10 10 lb.

Item #EZP-25 25 lb. (non-stock item)



E/Z SEAL



- Transparent, water and oil resistant treatment
- Impregnates and seals marble, terrazzo, concrete, grout joints and all natural stone surfaces
- Formulated to protect interior and exterior surfaces
- Protects against water and oil
- Special formulation allows for excellent surface breathability
- Coverage ranges from 750 to 1250 sq. ft. per gallon on polished surface
- Porous surfaces may need two applications
- Easy clean-up

Item #EZS-GAL 1 gal.

Item #EZS-5GAL 5 gal. (non-stock item)



E/Z SEAL PLUS



- All the benefits of E/Z Seal with an added enhancer for richer color

Item #EZSP 1 gal.

Item #EZSP-5GAL 5 gal. (non-stock item)



PG2



- The second of two hardening agents used to ensure a long-lasting surface gloss
- Used also as primary maintenance product in automatic equipment or stand-alone product for swing machine
- Available in three-sized containers

Item #PG2-1GAL 1 gal.

Item #PG2-5GAL 5 gal. (non-stock item)

Item #PG2-25GAL 25 gal. (non-stock item)



ULTIMATE BLACK

- Produces that extra depth and color that is wanted on black stone or high shine on other colors
- Neutral, non-detergent cleaner
- Available in one quart containers

Item #ULT BLK 1 quart



ONE STEP

- A "one component" granite polish
- May be used to polish any color granite
- Works with regular steel wool pads on a 175 to 300 RPM buffing machine

Item #380119001 1 quart

Item #380119006 6-qt. Case

All chemicals listed on this page can be shipped using ground transport service only. NO air shipments will be available for these chemicals.

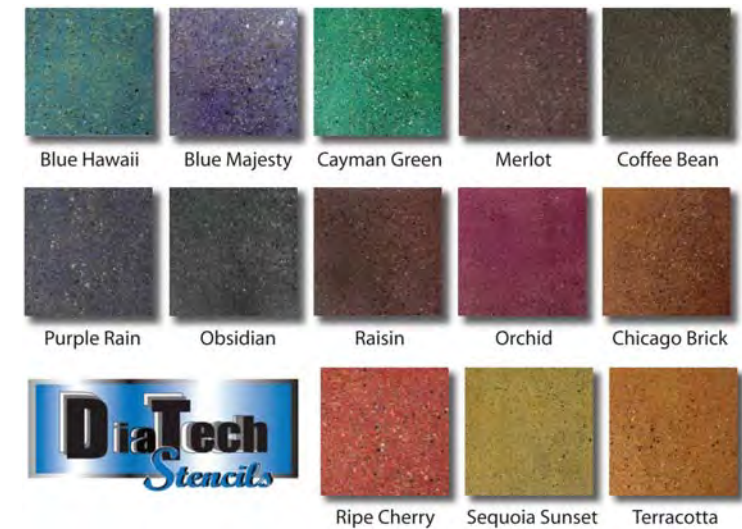
DIATECH STAINS



For the first time—a polished concrete stain that is permanent, water-based, and vibrant has truly arrived! DiaTech Stains offers a palette of colors, with ease of use and durability that has yet to be matched by any other product in the marketplace.

- Dilute with Alcohol, Water, or Acetone
- Shipped in pre-measured containers: 1 kit = 1 gal. material
- Shipped in powder form
- 13 Standard Colors—Custom colors available upon request
- Standard Yield: 300 SF / 30m² for two coats
- **Note:** Color yield will vary by concrete quality

Product Name	Item #
DiaTech Terracotta - 2 oz.	384190013
DiaTech Orchid - 2 oz.	384190008
DiaTech Sequoia Sunset - 2 oz.	384190012
DiaTech Ripe Cherry - 2 oz.	384190011
DiaTech Purple Rain - 2 oz.	384190009
DiaTech Cayman Green - 2 oz.	384190003
DiaTech Obsidian - 2 oz.	384190007
DiaTech Raisin - 2 oz.	384190010
DiaTech Chicago Brick - 2 oz.	384190004
DiaTech Merlot - 2 oz.	384190006
DiaTech Coffee Bean - 2 oz.	384190005
DiaTech Blue Majesty - 2 oz.	384190002
DiaTech Blue Hawaii - 2 oz.	384190001



SLURRY SLAYER™

...is a concrete slurry management program that was developed by an actual contractor who works in the contracting field every day.

Slurry Slayer™ consists of two products - Slurry Slayer™ Solidifier™ and Purifier™ - that can be used individually or together.

- CONTAINS NO FILLERS to add weight.
- Reacts quicker and with less material when compared to competitors' products.
- Turns concrete slurry into a nonhazardous, landfill-accepted solid.

Slurry Slayer™ works in conjunction with your EPA required "Best Management Practice" plan for handling concrete slurry.

Item #381919055 - 55 lbs.

Item #381919205 - Super Sack 2,205 lbs. (special order)

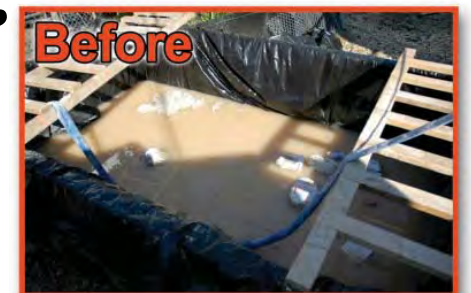
Slurry Slayer™

Solidifier™

CURRENTLY USED FOR:

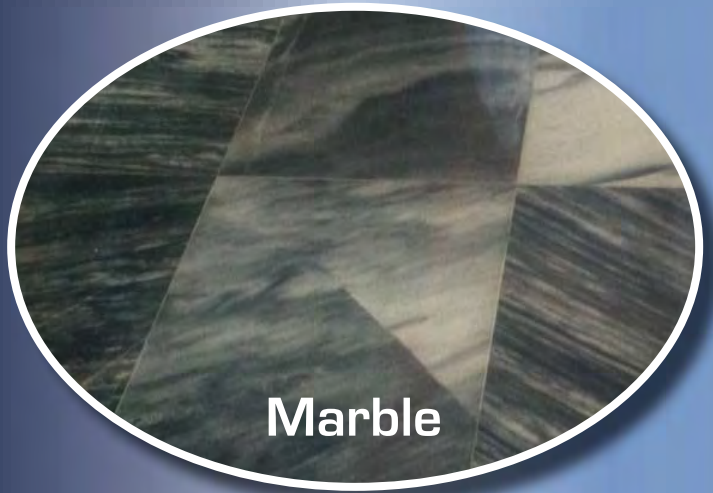
- Concrete Grinding and Polishing
- Concrete Saw Cutting and Drilling
- Concrete Rinse Out Areas
- Stone Restoration

"Developed by Contractors for Contractors"





Granite



Marble

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