



Scarab Tooling Recommendation Guide



Concrete Surface Preparation

Determine Surface Hardness using MOHS Hardness Tester

MOHS 7.5-9

HARD SURFACE

MOHS 4.5-7.5

MEDIUM SURFACE

MOHS 2-4.5

SOFT SURFACE



Glue & Mastic

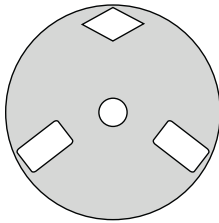


Plate Configuration



Speed Range

HARD SURFACE	MEDIUM SURFACE	SOFT SURFACE
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PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5
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Epoxy & Paint

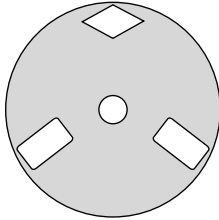


Plate Configuration



Speed Range

PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5
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Thinset

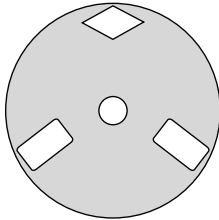
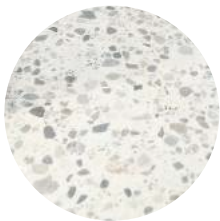


Plate Configuration



Speed Range

PNG 16 Grit Turbo Shark 002-1429-00 QTY 5	PNG 16 Grit Turbo Shark 002-1429-00 QTY 5	PNG 16 Grit Turbo Shark 002-1429-00 QTY 5
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Exposed Aggregate

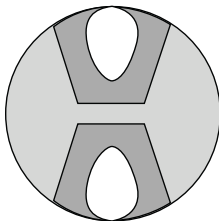
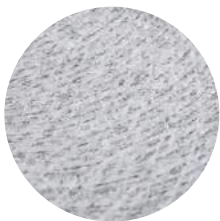


Plate Configuration



Speed Range

PNG 16 Grit STD TearDrop 002-1484-00 QTY 10	PNG 16 Grit STD TearDrop 002-1502-00 QTY 10	PNG 16 Grit STD TearDrop 002-1502-00 QTY 10
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CSP 3 Profile

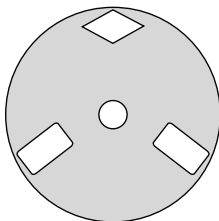


Plate Configuration



Speed Range

PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5
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Cure 'n Seal

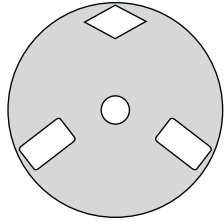
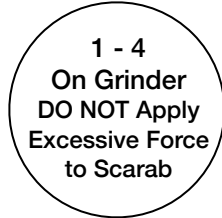


Plate Configuration



Speed Range

PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5	PNG 16 Grit Turbo Shark 002-1428-00 QTY 5
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Heavy Coatings

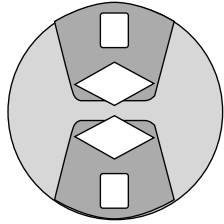


Plate Configuration

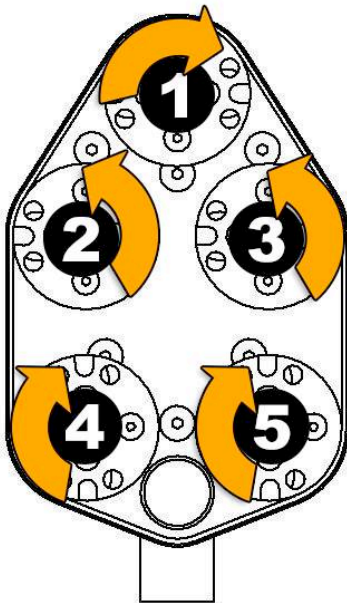


Speed Range

PNG PCD with TCD Shark CW 002-1350-00 QTY 6	PNG PCD with TCD Shark CW 002-1350-00 QTY 6	PNG PCD with TCD Shark CW 002-1350-00 QTY 6
PNG PCD with TCD Shark CCW 002-1349-00 QTY 4	PNG PCD with TCD Shark CCW 002-1349-00 QTY 4	PNG PCD with TCD Shark CCW 002-1349-00 QTY 4

* Directional Tooling

Please see diagram below for rotation of PLUG 'N GO Plates. Tooling labelled CW or CCW must be placed on the correct plate in order to function effectively



PLATES 1, 4, 5 ROTATE CLOCKWISE



PLATES 2, 3 ROTATE COUNTER CLOCKWISE

WerkMaster Polished Concrete System Overview

Step 1 - Metal Grinding - Surface preparation to achieve desired exposure

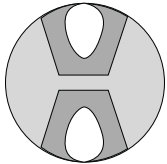


Plate Configuration



Speed Range

HARD	MEDIUM	SOFT
PNG 30/40 Grit STD TearDrop 002-1485-00 QTY 10	PNG 30/40 Grit STD TearDrop 002-1503-00 QTY 10	PNG 30/40 Grit STD TearDrop 002-1503-00 QTY 10
PNG 70/80 Grit STD TearDrop 002-1486-00 QTY 10	PNG 70/80 Grit STD TearDrop 002-1504-00 QTY 10	PNG 70/80 Grit STD TearDrop 002-1504-00 QTY 10

GENERAL RULE:

Start with highest grit where possible and move to lower grit when necessary.

Step 2 - Transition Stage - Removes metal tooling marks and prepares for densification

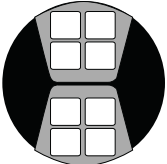


Plate Configuration



Speed Range

PNG Achromic
50 Grit
003-0246-00
QTY 10

PNG STD Resin
100 Grit
003-0227-00
QTY 10

INSTRUCTIONS:

Remove scratches using 50 grit Achromic and 100 grit Standard Resin tooling to prepare surface for densification.

Step 3 - Densification - Hardens floor and prepares for the polishing stage



ULTRAhard Lithium 006-0132-00 - 5 Gallon
ULTRAhard Potassium 006-0129-00 - 5 Gallon
ULTRA densifil 006-0229-00 - 5 Gallon

NOTE:

Ensure your floor has been vacuumed and all tool marks have been removed prior to densification. *Densifier also available in 1qt, 1gal, 2.5gal sizes.*

Step 4 - Polishing Stage - Bring floor to desired level of shine

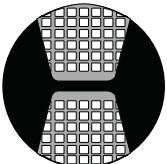


Plate Configuration



Speed Range

Matte Finish

PNG STD Resin - 200 Grit
003-0228-00
QTY 10

Semi Gloss Finish

<i>Same as Matte Add:</i>
PNG STD Resin - 400 Grit 003-0229-00 QTY 10
PNG STD Resin - 800 Grit 003-0230-00 QTY 10

High Gloss Finish

<i>Same as Semi Gloss Add:</i>
PNG STD Resin - 1500 Grit 003-0231-00 QTY 10

Step 5 - Sealing - Protect and seal your polished concrete surface



ULTRAguard Sealer
006-0130-00
5 Gallon

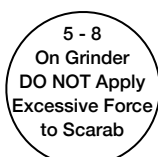
NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, tight coats of sealer allowing cure time of 30 mins in between coats. *Sealer also available in 1qt, 1gal, 2.5gal sizes.*

Step 6 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range

Pink Nylon - 3 inch Pad
011-0015-00
QTY 5

OPTIONAL STAGE:

Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.

WerkMaster Polished Concrete Topping System Overview

Step 1 - Metal Grinding - Surface preparation to achieve desired exposure

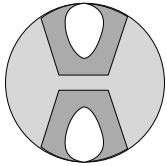


Plate Configuration



Speed Range

PNG 30/40 Grit TearDrop 002-1485-00 QTY 5
PNG 70/80 Grit TearDrop 002-1486-00 QTY 5

INSTRUCTIONS:

Use one 30/40 grit segments and one 70/80 grit segments per tooling plate to remove polymer cream layer and expose aggregate.

Step 2 - Transition Stage - Removes metal tooling marks and prepares for densification

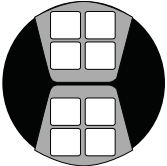


Plate Configuration



Speed Range

PNG Achromic 100 Grit 003-0247-00 QTY 10
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INSTRUCTIONS:

Remove scratches using 100 grit Achromic tooling. Achromic tooling effectively removes scratches and creates a surface ready for densification.

Step 3 - Densification - Hardens floor and prepares for the polishing stage



ULTRAhard Lithium 06-0132-00 5 Gallon

NOTE:

Ensure your floor has been vacuumed and all tool marks have been removed prior to densification. *Densifier also available in 1qt, 1gal, 2.5gal sizes.*

Step 4 - Polishing Stage - Bring floor to desired level of shine

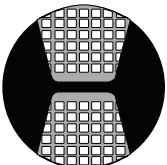


Plate Configuration



Speed Range

Matte Finish

Semi-Gloss Finish

High-Gloss Finish

PNG Achromic 200 Grit 003-0248-00 QTY 10		
PNG Achromic 200 Grit 003-0248-00 QTY 10	PNG STD Resin 400 Grit 003-0229-00 QTY 10	Diamond - 3 inch Pad 800 Grit 011-0048-00 QTY 5
PNG Achromic 200 Grit 003-0248-00 QTY 10	PNG STD Resin 400 - 3000 Grit QTY 10 of each grit	Diamond - 3 inch Pad 3000 Grit 011-0050-00 QTY 5

Step 5 - Sealing - Protect and seal your polished concrete surface



ULTRAGuard Sealer 006-0130-00 5 Gallon

NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, tight coats of sealer allowing cure time of 30 mins in between coats. *Sealer also available in 1qt, 1gal, 2.5gal sizes.*

Step 6 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range

Pink Nylon - 3 inch Pad 011-0015-00 QTY 5
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OPTIONAL STAGE:

Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.



WerkMaster Cementitious Terrazzo Refinishing System Overview

Step 1 - Light Grind and Surface Preparation



Plate Configuration



Speed Range

Vacuum Brazed 30 Grit 003-0661-00 QTY 5
Vacuum Brazed 70 Grit 003-0662-00 QTY 5

INSTRUCTIONS:

Remove contaminants and sealer. Evenly affect entire floor with hybrid tooling before moving to next step.

Step 2 - Transition Stage - Removes hybrid tooling marks and prepares for Polishing

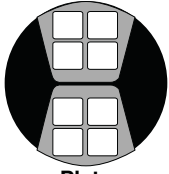
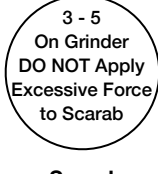


Plate Configuration



Speed Range

PNG Achromic 100 Grit 003-0247-00 QTY 10

INSTRUCTIONS:

Remove scratches using 100 grit Achromic tooling. Achromic tooling effectively removes scratches and creates a surface ready for densification.

Step 3 - Polishing Stage - Bring floor to desired level of shine

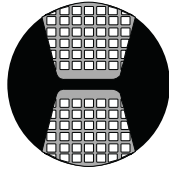


Plate Configuration



Speed Range

Matte Finish Semi-Gloss Finish High-Gloss Finish	PNG STD Resin 200 Grit 003-0228-00 QTY 10	Diamond - 3 inch Pad 400 Grit 011-0047-00 QTY 5	
	PNG STD Resin 200 Grit 003-0228-00 QTY 10	PNG STD Resin 400 - 800 Grit QTY 10 of each grit	Diamond - 3 inch Pad 800 Grit 011-0048-00 QTY 5
	PNG STD Resin 200 Grit 003-0228-00 QTY 10	PNG STD Resin 400 - 3000 Grit QTY 10 of each grit	Diamond - 3 inch Pad 3000 Grit 011-0050-00 QTY 5

Step 4 - Sealing - Protect and seal your polished concrete surface



ULTRAguard Sealer 006-0130-00 5 Gallon
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NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, tight coats of sealer allowing cure time of 30 mins in between coats. *Sealer also available in 1qt, 1gal, 2.5gal sizes.*

Step 5 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range

Pink Nylon - 3 inch Pad 011-0015-00 QTY 5

OPTIONAL STAGE:

Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.

WerkMaster Epoxy Terrazzo Refinishing System Overview

Step 1 - Light Grind and Surface Preparation



Plate Configuration



Speed Range

Vacuum Brazed 30 Grit 003-0661-00 QTY 5
Vacuum Brazed 70 Grit 003-0662-00 QTY 5

INSTRUCTIONS:

Remove contaminants and sealer. Evenly affect entire floor with hybrid tooling before moving to next step.

Step 2 - Transition Stage - Removes hybrid tooling marks and prepares for densification

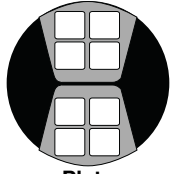
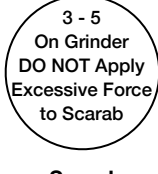


Plate Configuration



Speed Range

PNG Achromic 100 Grit 003-0247-00 QTY 10

INSTRUCTIONS:

Remove scratches using 100 grit Achromic tooling. Achromic tooling effectively removes scratches and creates a surface ready for densification.

Step 3 - Densification - Hardens floor and prepares for the polishing stage



ULTRAhard Lithium 006-0132-00 5 Gallon

NOTE:

Ensure your floor has been vacuumed and all tool marks have been removed prior to densification. *Densifier also available in 1qt, 1gal, 2.5gal sizes.*

Step 4 - Polishing Stage - Bring floor to desired level of shine

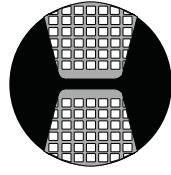


Plate Configuration



Speed Range

Matte Finish

PNG STD Resin 200 Grit 003-0228-00 QTY 10	Diamond - 3 inch Pad 400 Grit 011-0047-00 QTY 5	
PNG STD Resin 200 Grit 003-0228-00 QTY 10	PNG STD Resin 400 - 800 Grit QTY 10 of each grit	Diamond - 3 inch Pad 800 Grit 011-0048-00 QTY 5
PNG STD Resin 200 Grit 003-0228-00 QTY 10	PNG STD Resin 400 - 3000 Grit QTY 10 of each grit	Diamond - 3 inch Pad 3000 Grit 011-0050-00 QTY 5

Semi-Gloss Finish

High-Gloss Finish

Step 5 - Sealing - Protect and seal your polished concrete surface



ULTRAGuard Sealer 006-0130-00 5 Gallon
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NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, tight coats of sealer allowing cure time of 30 mins in between coats. *Sealer also available in 1qt, 1gal, 2.5gal sizes.*

Step 6 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range












Pink Nylon - 3 inch Pad 011-0015-00 QTY 5

OPTIONAL STAGE:





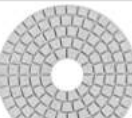

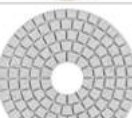
Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.

WerkMaster Tooling Legend



PLUG 'N GO - Metal Bond Abrasives

IMAGE	DESCRIPTION
	Standard 1 Segment. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	Heavy Duty 1 Segment. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	Heavy Duty 2 Segment. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	Standard 2 Segment Shark. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	Heavy Duty 2 Segment Shark. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	Standard TearDrop Segment. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	TearDrop HD Segment. Available in hard, medium or soft bond. Available in 16 - 30/40 - 70/80 grit.
	PCD w/TCO Shark. Available in CW and CCW configuration.
	TRI-BIT PCD. Available in CW and CCW configuration.
	Full Plate Turbo Shark. Available in 3 and 5 inch diameter sizes.
	Vacuum Brazed Discs. Available in 30 and 70 grit. Available in 3 and 5 inch diameter sizes.

PLUG 'N GO - Resin Bond Abrasives

IMAGE	DESCRIPTION
	Standard Dry Resin. Available in 100 - 3000 grit.
	Professional Resin. Available in 100 - 3000 grit.
	Achromic Resin. Available in 30 - 200 grit.
	Hybrid Resin. Available in 50 and 100 grit.
	Achromic Resin 3 inch Pad. Available in 50 grit.
	Granite and Marble Wet Resins 3 inch Pad. Available in 30 - 3000 grit.
	Countertop Quartz Pro Wet Resin. 3 inch Pad. Available in 30 - 3000 grit.
	Concrete Dry Resin. 3 inch Pad. Available in 100 - 3000 grit.

PLUG 'N GO - Specialty Tooling

IMAGE	DESCRIPTION
	Half Segment - Super Segment. Available in 25 Grit.
	S-Segment Hardwood Refinishing & Aluminum Oxide removal.