



Viper XT & Raptor XT 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

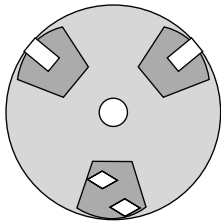
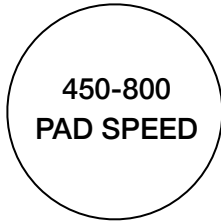


Plate Configuration



Speed Range

HARD SURFACE	MEDIUM SURFACE	SOFT SURFACE
PNG 16 Grit STD 1 Segment 002-1490-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 16
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 8



Epoxy & Paint

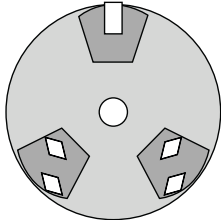
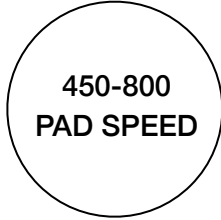


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 8	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 8	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 8
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 16	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 16	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 16



Thinset

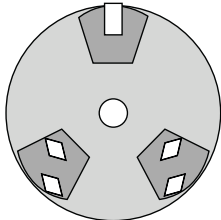
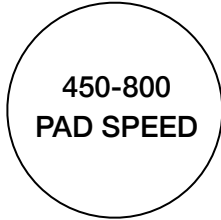
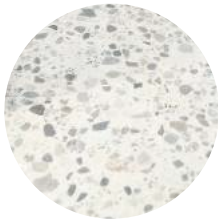


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1412-00 QTY 8	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 8	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 8
PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 16	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 16	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 16



Exposed Aggregate

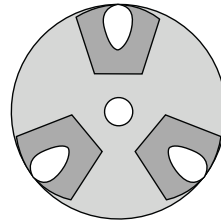
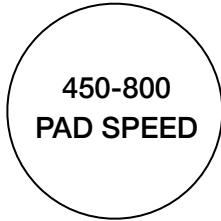
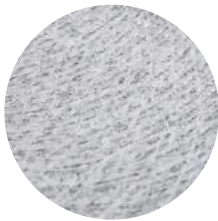


Plate Configuration



Speed Range

PNG 16 Grit STD TearDrop 002-1484-00 QTY 24	PNG 16 Grit STD TearDrop 002-1502-00 QTY 24	PNG 16 Grit STD TearDrop 002-1508-00 QTY 24
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CSP 3 Profile

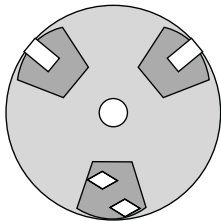
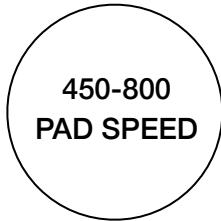


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 16
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 8



Cure 'n Seal

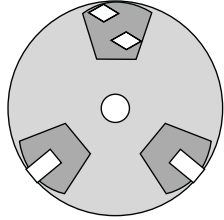
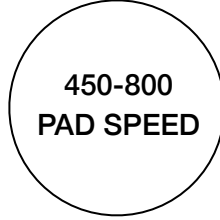


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 16	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 16
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 8	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 8



Heavy Coatings

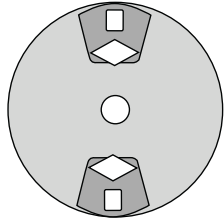
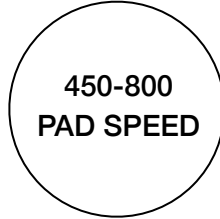


Plate Configuration*

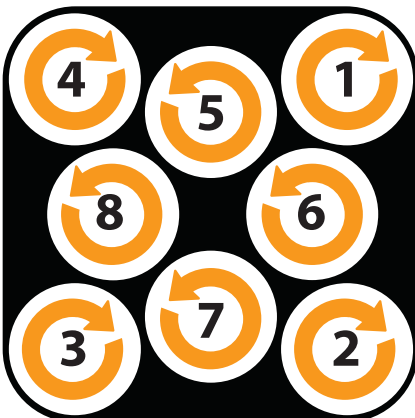


Speed Range

PNG PCD with TCD Shark CW 002-1350-00 QTY 8	PNG PCD with TCD Shark CW 002-1350-00 QTY 8	PNG PCD with TCD Shark CW 002-1350-00 QTY 8
PNG PCD with TCD Shark CCW 002-1349-00 QTY 8	PNG PCD with TCD Shark CCW 002-1349-00 QTY 8	PNG PCD with TCD Shark CCW 002-1349-00 QTY 8

* 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, 2, 3, 4 ROTATE CLOCKWISE



PLATES 5, 6, 7, 8 ROTATE COUNTER-CLOCKWISE

WerkMaster Polished Concrete System Overview

Step 1 - Metal Grinding - Prepare surface to achieve desired exposure

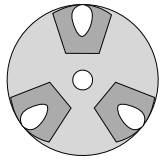
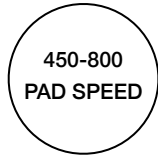


Plate Configuration



Speed Range

HARD	MEDIUM	SOFT
PNG 30/40 Grit STD TearDrop 002-1485-00 QTY 24	PNG 30/40 Grit STD TearDrop 002-1503-00 QTY 24	PNG 30/40 Grit STD TearDrop 002-1509-00 QTY 24
PNG 70/80 Grit STD 1 Segment 002-1486-00 QTY 24	PNG 70/80 Grit STD TearDrop 002-1504-00 QTY 24	PNG 70/80 Grit STD TearDrop 002-1510-00 QTY 24

GENERAL RULE:

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

Step 2 - Transition Stage - Remove metal tooling marks and prepare for densifying

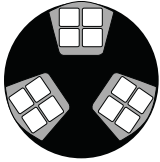


Plate Configuration



Speed Range

HARD	MEDIUM	SOFT
PNG Achromic 100 Grit 003-0247-00 QTY 24	PNG Achromic 100 Grit 003-0247-00 QTY 24	PNG Hybrid 100 Grit 003-0223-01 QTY 24

INSTRUCTIONS:

Remove scratches using 100 Grit Achromic or Hybrid tooling. Transitional tooling effectively removes scratches and creates a surface ready for densifying.

Step 3 - Densifying - Harden floor and prepare for polishing stage



Read label and follow directions

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

NOTE:

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

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

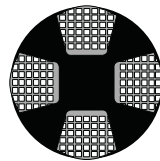


Plate Configuration



Speed Range

Matte Finish

PNG STD Resin - 200 Grit 003-0228-00 QTY 32

Semi-Gloss Finish

<i>Same as Matte Add:</i>
PNG STD Resin - 400 Grit 003-0229-00 QTY 32
PNG STD Resin - 800 Grit 003-0230-00 QTY 32

High-Gloss Finish

<i>Same as Semi-Gloss Add:</i>
PNG STD Resin - 1500 Grit 003-0231-00 QTY 32

Step 5 - Sealing - Protect and seal polished concrete surface



Read label and follow directions

ULTRAGuard Sealer 006-0130-00 5 Gallon
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NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, light coats of sealer allowing cure time of 30 mins 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 - 5 inch Pad 011-0042-00 QTY 8

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 - Prepare surface to achieve desired exposure

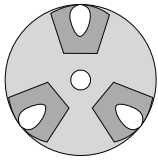


Plate Configuration



Speed Range

PNG 30/40 Grit
STD TearDrop
002-1485-00
QTY 8

PNG 70/80 Grit
STD TearDrop
002-1486-00
QTY 16

INSTRUCTIONS:

Use a combination of one 30/40 Grit segment and two 70/80 grit segments per tooling plate to remove polymer cream layer and expose aggregate.

Step 2 - Transition Stage - Remove metal tooling marks and prepare for densifying

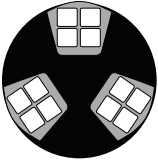


Plate Configuration



Speed Range

PNG Achromic
100 Grit
003-0247-00
QTY 24

INSTRUCTIONS:

Remove scratches using 100 Grit Achromic tooling. Achromic tooling effectively removes scratches and creates a surface ready for densifying.

Step 3 - Densifying - Harden floor and prepare for polishing



Read label and follow directions

ULTRAhard
Lithium
006-0132-00
5 Gallon

NOTE:

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

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

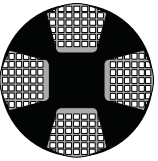


Plate Configuration



Speed Range

Matte Finish	PNG STD Resin - 200 Grit 003-0228-00 QTY 24		
Semi-Gloss Finish	PNG Achromic 200 Grit 003-0248-00 QTY 24	PNG STD Resin 400 Grit 003-0229-00 QTY 32	Diamond - 5 inch Pad 800 Grit 011-0052-00 QTY 8
High-Gloss Finish	PNG Achromic 200 Grit 003-0248-00 QTY 24	PNG STD Resin 400 -3000 Grit QTY 32 of each grit	Diamond - 5 inch Pad 3000 Grit 011-0054-00 QTY 8

Step 5 - Sealing - Protect and seal polished concrete surface



Read label and follow directions

ULTRAGuard Sealer
006-0130-00
5 Gallon

NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, light coats of sealer allowing cure time of 30 mins 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 - 5 inch Pad
011-0042-00
QTY 8

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 prepare surface

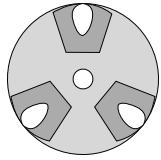
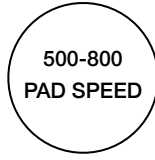
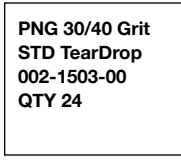


Plate Configuration



Speed Range



PNG 30/40 Grit
STD TearDrop
002-1503-00
QTY 24

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

Step 2 - Transition Stage - Remove metal tooling marks and prepare for densifying

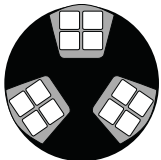
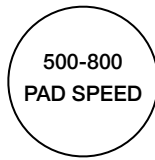
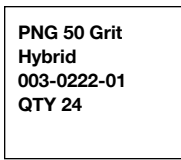


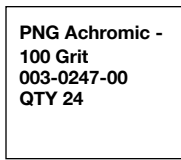
Plate Configuration



Speed Range



PNG 50 Grit
Hybrid
003-0222-01
QTY 24



PNG Achromic -
100 Grit
003-0247-00
QTY 24

INSTRUCTIONS:
Remove all tooling marks using 50 Grit Hybrid tooling followed by the Achromic tooling

Step 3 - Densifying - Harden floor and prepare for polishing



Read label and follow directions



ULTRAhard
Lithium
006-0132-00
5 Gallon

NOTE:
Ensure your floor has been vacuumed and all tool marks have been removed prior to densifying.
Densifiers also available in 1qt, 1gal, 2.5gal sizes.

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

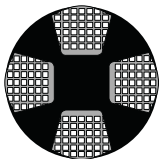


Plate Configuration



Speed Range

Matte Finish

PNG STD Resin
200 Grit 003-0228-00
QTY 32

Semi Gloss Finish

Same as Matte Add:

PNG STD Resin - 400 Grit
003-0229-00 QTY 32

PNG STD Resin - 800 Grit
003-0230-00 QTY 32

High Gloss Finish

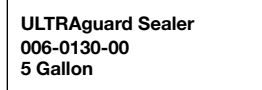
Same as Semi Gloss Add:

PNG STD Resin - 1500 Grit
003-0239-00 QTY 32

Step 5 - Sealing - Protect and seal polished terrazzo surface



Read label and follow directions



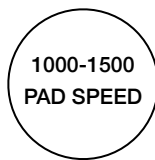
ULTRAGuard Sealer
006-0130-00
5 Gallon

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

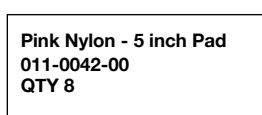
Step 6 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range



Pink Nylon - 5 inch Pad
011-0042-00
QTY 8

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 prepare surface

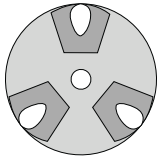
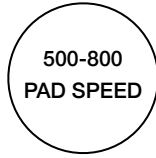


Plate Configuration



Speed Range

PNG 30/40 Grit
STD TearDrop
002-1503-00
QTY 24

INSTRUCTIONS:

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

Step 2 - Transition Stage - Remove metal tooling marks and prepare for polishing

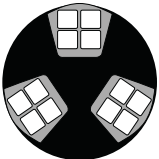
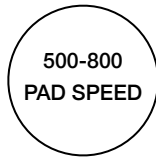


Plate Configuration



Speed Range

PNG 50 Grit Hybrid
003-0222-01
QTY 24

PNG Achromic - 100 Grit
003-0247-00
QTY 24

INSTRUCTIONS:

Remove all tooling marks using 50 Grit Hybrid tooling followed by the Achromic tooling

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

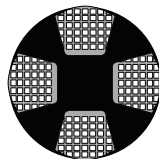


Plate Configuration



Speed Range

Matte Finish

PNG STD Resin - 200 Grit
003-0228-00
QTY 32

Semi Gloss Finish

Same as Matte Add:

PNG STD Resin - 400 Grit
003-0229-00 QTY 32

PNG STD Resin - 800 Grit
003-0230-00 QTY 32

High Gloss Finish

Same as Semi Gloss Add:

PNG STD Resin - 1500 Grit
003-0231-00 QTY 32

Step 4 - Sealing - Protect and seal polished concrete surface



Read label and follow directions

ULTRAGuard Sealer
006-0130-00
5 Gallon

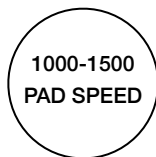
NOTE:

Vacuum and clean floor prior to sealing. Apply 2 thin, light coats of sealer allowing cure time of 30 mins 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 - 5 inch Pad
011-0042-00
QTY 8

OPTIONAL STAGE:





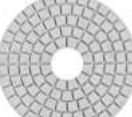


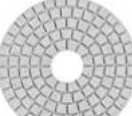
Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.

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.