



The COBRA Tooling Recommendation Guide



Concrete Surface Preparation
Determine Surface Hardness using MOHS Hardness Tester

MOHS 7.5-9

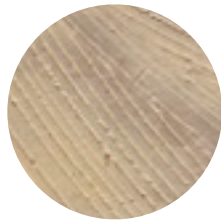
HARD SURFACE

MOHS 4.5-7.5

MEDIUM SURFACE

MOHS 2-4.5

SOFT SURFACE



Glue & Mastic

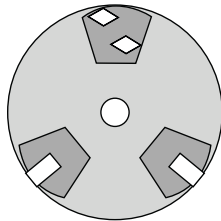
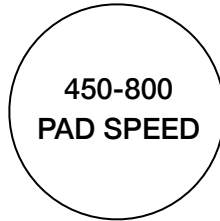


Plate Configuration



Speed Range

HARD SURFACE	MEDIUM SURFACE	SOFT SURFACE
PNG 16 Grit STD 1 Segment 002-1490-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 12
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 6



Epoxy & Paint

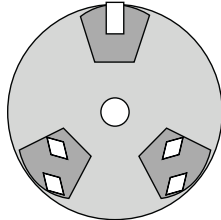
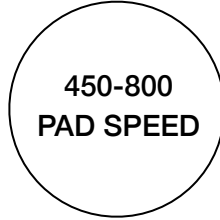


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 6	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 6	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 6
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 12	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 12	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 12



Thinset

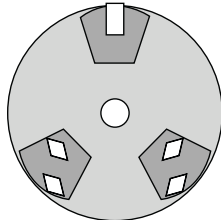
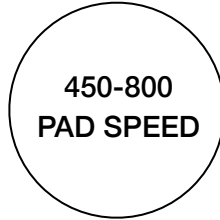
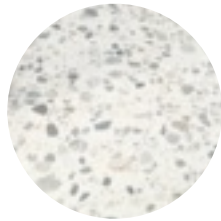


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1412-00 QTY 6	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 6	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 6
PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 12	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 12	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 12



Exposed Aggregate

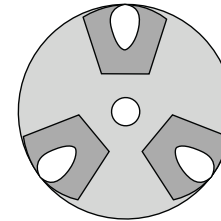
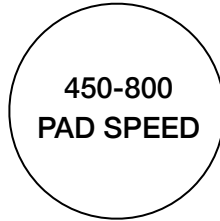
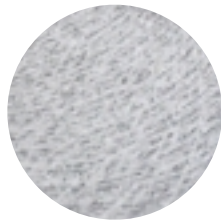


Plate Configuration



Speed Range

PNG 16 Grit STD TearDrop 002-1484-00 QTY 18	PNG 16 Grit STD TearDrop 002-1502-00 QTY 18	PNG 16 Grit STD TearDrop 002-1508-00 QTY 18
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CSP 3 Profile

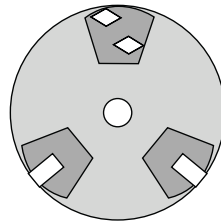
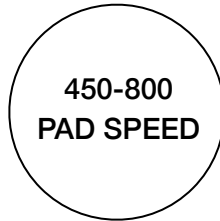


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1412-00 QTY 12
PNG 16 Grit STD 2 Segment Shark 002-1496-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1413-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 6



Cure 'n Seal

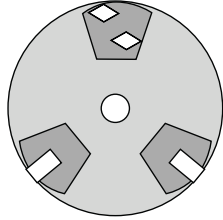
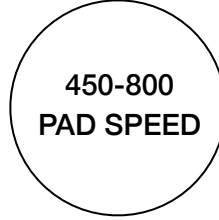


Plate Configuration



Speed Range

PNG 16 Grit STD 1 Segment 002-1490-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1390-00 QTY 12	PNG 16 Grit STD 1 Segment 002-1418-00 QTY 12
PNG 16 Grit STD 2 Segment Shark 002-1426-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1426-00 QTY 6	PNG 16 Grit STD 2 Segment Shark 002-1414-00 QTY 6



Heavy Coatings

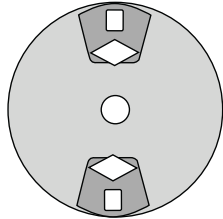
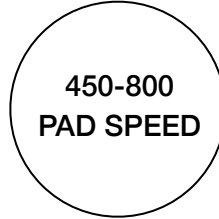


Plate Configuration



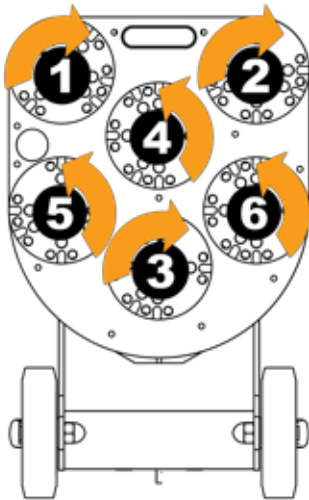
Speed Range

PNG PCD with TCD Shark CW 002-1350-00 QTY 9	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 9	PNG PCD with TCD Shark CCW 002-1349-00 QTY 6	PNG PCD with TCD Shark CCW 002-1349-00 QTY 6

Plate Configuration

Speed Range

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 ROTATE CLOCKWISE

PLATES 4, 5, 6 ROTATE COUNTER-CLOCKWISE

COMPRESSION FOAM is available in
Hard Rigid, flat floor
Soft Follow floor

IMPORTANT: ALWAYS run machine with Compression Foam.

GROMMETS are available in
Black Prep ONLY

Blue Prep and polish

WerkMaster Polished Concrete System Overview

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

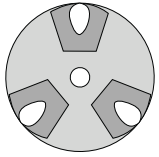
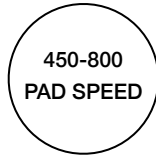


Plate Configuration



Speed Range

HARD	MEDIUM	SOFT
PNG TearDrop 30/40 Grit 002-1485-00 QTY 18	PNG TearDrop 30/40 Grit 002-1503-00 QTY 18	PNG TearDrop 30/40 Grit 002-1509-00 QTY 18
PNG TearDrop 70/80 Grit 002-1486-00 QTY 18	PNG TearDrop 70/80 Grit 002-1504-00 QTY 18	PNG TearDrop 70/80 Grit 002-1510-00 QTY 18

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

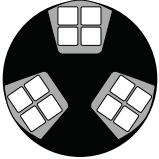


Plate Configuration



Speed Range

HARD	MEDIUM	SOFT
PNG Achromic 100 Grit 003-0247-00 QTY 18	PNG Achromic 100 Grit 003-0247-00 QTY 18	PNG Hybrid 100 Grit 003-0223-00 QTY 18

INSTRUCTIONS:

Use 100 Grit Achromic tooling to effectively remove scratches and create 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
500 - 700 sq ft coverage		
OR		
ULTRAdensifil	006-0229-00	5 Gallon
200 - 400 sq ft coverage		

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

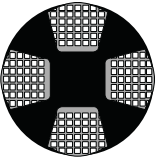


Plate Configuration



Speed Range

Matte Finish

PNG PRO Resin 200 Grit
003-0236-00 QTY 24

Semi-Gloss Finish

Same as Matte Add:

PNG PRO Resin 400 Grit
003-0237-00 QTY 24

PNG PRO Resin 800 Grit
003-0238-00 QTY 24

High-Gloss Finish

Same as Semi-Gloss Add:

PNG PRO Resin 1500 Grit
003-0239-00 QTY 24

PNG PRO Resin 3000 Grit
003-0240-00 QTY 24

INSTRUCTIONS:

Remove PNG Plate and change to Adapter Plate.

Step 5 - Sealing - Protect and seal polished concrete surface



Read label and follow directions

ULTRAGuard Sealer	006-0130-00	5 Gallon
500 - 700 sq ft coverage		

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

6" Pink Nylon Pad
011-0044-00
QTY 6

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

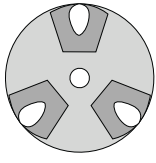
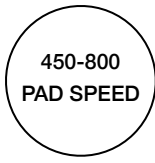


Plate Configuration



Speed Range

PNG TearDrop 30/40 Grit 002-1485-00 QTY 6
PNG TearDrop 70/80 Grit 002-1486-00 QTY 12

INSTRUCTIONS:

Use a combination of one 30/40 Grit segments 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

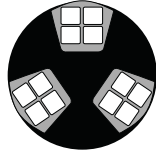
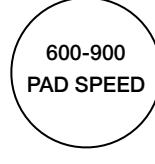


Plate Configuration



Speed Range

PNG Achromic 100 Grit 003-0247-00 QTY 18
--

INSTRUCTIONS:

Use 100 Grit Achromic tooling to effectively remove scratches and create 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 500 - 700 sq ft coverage

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

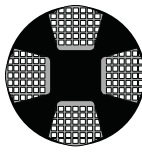


Plate Configuration



800-1200 PAD SPEED

Matte Finish		Semi-Gloss Finish		High-Gloss Finish	
PNG Pro Resin. 003-0236-00	200 Grit QTY 24	PNG Achromic 003-0248-00.	200 Grit QTY 24	PNG Achromic 003-0248-00.	200 Grit QTY 24
		PNG Pro Resin 003-0237-00	400 Grit QTY 24	PNG Pro Resin 400-1500 Grit	QTY 24
		5" Diamond Pad 011-0052-00	800 Grit QTY 6	5" Diamond Pad 3000-6000 Grit	QTY 6 each

INSTRUCTIONS:

Remove PNG Plate and change to Adapter Plate.

Step 5 - Sealing - Protect and seal polished concrete surface



Read label and follow directions

ULTRAguard Sealer 006-0130-00 5 Gallon 500 - 700 sq ft coverage
--

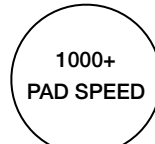
NOTE:

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



1000+ PAD SPEED

6" Pink Nylon Pad 011-0044-00 QTY 6
--

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

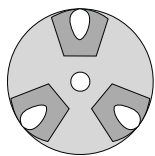
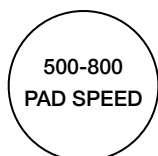
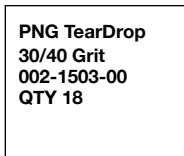


Plate Configuration



Speed Range



PNG TearDrop
30/40 Grit
002-1503-00
QTY 18

INSTRUCTIONS:

Remove surface coating. Evenly affect entire floor with tooling before moving to next step.

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

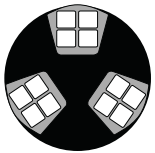
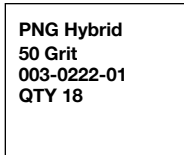


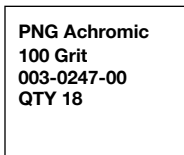
Plate Configuration



Speed Range



PNG Hybrid
50 Grit
003-0222-01
QTY 18



PNG Achromic
100 Grit
003-0247-00
QTY 18

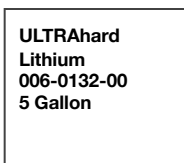
INSTRUCTIONS:

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

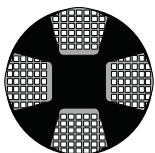
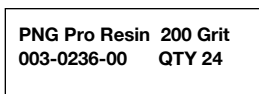


Plate Configuration



Speed Range

Matte Finish



PNG Pro Resin 200 Grit
003-0236-00 QTY 24

Semi-Gloss Finish

Same as Matte Add:	
PNG Pro Resin 400 Grit 003-0237-00	QTY 24
PNG Pro Resin 800 Grit 003-0238-00	QTY 6

High-Gloss Finish

Same as Semi-Gloss Add:	
PNG Pro Resin 1500 Grit 003-0239-00	QTY 24
PNG Pro Resin 3000 Grit 003-0240-00	QTY 24

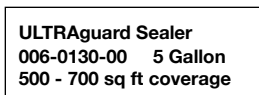
INSTRUCTIONS:

Remove PNG Plate and change to Adapter Plate.

Step 5 - Sealing - Protect and seal polished terrazzo surface



Read label and follow directions



ULTRAGuard Sealer
006-0130-00 5 Gallon
500 - 700 sq ft coverage

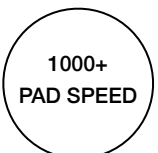
NOTE:

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.*

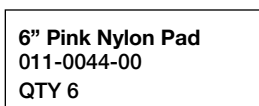
Step 6 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range



6" Pink Nylon Pad
011-0044-00
QTY 6

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

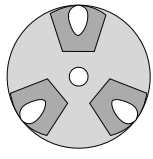
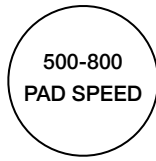
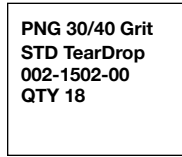


Plate Configuration



Speed Range



INSTRUCTIONS:

Remove surface coating. Evenly affect entire floor with tooling before moving to next step.

Step 2 - Transition stage - Remove metal tooling marks

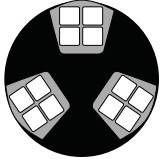
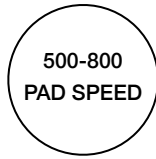
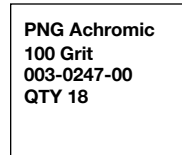
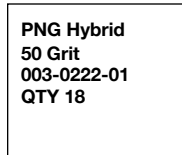


Plate Configuration



Speed Range



INSTRUCTIONS:

Remove all tooling marks using 50 Grit Hybrid tooling followed by the 100 Grit Achromic tooling.

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

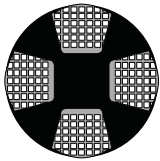
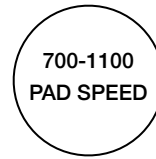
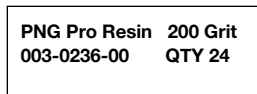


Plate Configuration



Speed Range

Matte Finish



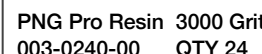
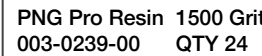
Semi-Gloss Finish

Same as Matte Add:



High-Gloss Finish

Same as Semi-Gloss Add:



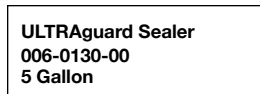
INSTRUCTIONS:

Remove PNG Plate and change to Adapter Plate.

Step 4 - Sealing - Protect and seal polished terrazzo surface



Read label and follow directions



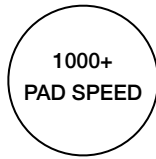
NOTE:

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.

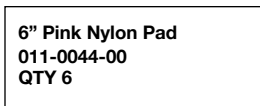
Step 5 - Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range



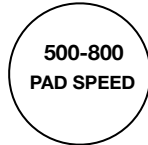
OPTIONAL STAGE:

Change Adapter Plate and attach Burnishing Pad. Burnish floor to achieve maximum shine and polish with either your WerkMaster Machine or Propane Burnisher.

WerkMaster Wood Floor Prep and Refinishing Systems

Refinishing Hardwood and Removing Finishes and Coatings

Step 1 - Light surface finishes



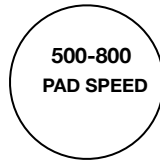
PNG S-Segment 70/80 Grit 002-1565-00 QTY 18	PNG S-Segment 100/120 Grit 002-1566-00 QTY 18
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INSTRUCTIONS:

Remove contaminants and sealer. evenly affect entire floor with S-Segment tooling before moving to next step.

NOTE: Use a combination of three 70/80 Grit and three 100/120 Grit tools per plate for a total of 6 tools per plate.

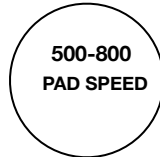
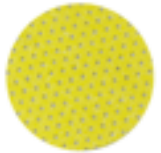
Step 2 - Wood Sanding



TurboBrade	
40 Grit - 48/box	004-0124-48
60 Grit - 48/box	004-0126-48
80 Grit - 48/box	004-0128-48

INSTRUCTIONS:

Remove all tooling marks from previous grit.

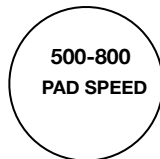


TurboFinish	
80 Grit - 48/box	004-0134-48
100 Grit - 48/box	004-0136-48
120 Grit - 48/box	004-0121-48

INSTRUCTIONS:

Remove all tooling marks from previous grit.

Removing Coatings From Hardwood and Plywood



PNG TurboRasp 30 Grit 002-1511-00 QTY 24

INSTRUCTIONS:

Remove contaminants and sealer. evenly affect entire floor with S-Segment tooling before moving to next step.