

# TITAN<sup>XT</sup>

## TOOLING RECOMMENDATION GUIDE

Concrete Surface Preparation

01

Polished Concrete System

02

Polished Concrete Topping System

03

Cementitious Terrazzo Refinishing System

04

Epoxy Terrazzo Refinishing System

05

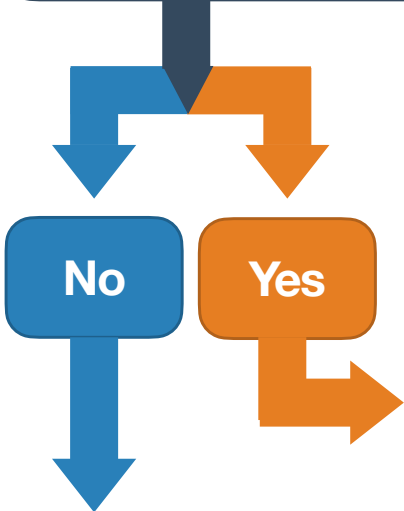
Tooling Part Numbers


06







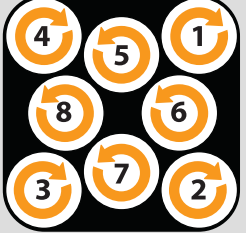
Is your coating thicker than 1/8" (3mm)?



**Plate Configuration**  
  
**PCD w/ TCD Shark (CW)**  
 002-1350-00  
 Qty 12

**Speed Range**  
  
**450-800**  
**PCD w/TCD Shark (CCW)**  
 002-1349-00  
 Qty 12


**IMPORTANT**   
 Tooling labelled **RIGHT** are CW (clockwise)  
 Tooling labelled **LEFT** are CCW (counter clockwise)




Determine the surface hardness using the MOHS test kit

**MOHS 7.5-9**


Hard Surface (Gold)


**Plate Configuration**  
  
**HD 1 Seg 16 Grit**  
 002-1487-00  
 Qty 16  
**HD 2 Seg Shark 16 Grit**  
 002-1493-00  
 Qty 8

**Speed Range**  
  
**450-800**

**MOHS 4.5-7.5**

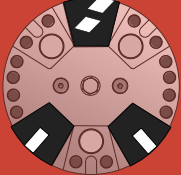
Medium Surface (White)


**Plate Configuration**  
  
**HD 1 Seg 16 Grit**  
 002-1415-00  
 Qty 16  
**HD 2 Seg Shark 16 Grit**  
 002-1426-00  
 Qty 8

**Speed Range**  
  
**450-800**

**MOHS 2-4.5**

Soft Surface (Red)

**Plate Configuration**  
  
**HD 1 Seg 16 Grit**  
 002-1418-00  
 Qty 16  
**HD 2 Seg Shark 16 Grit**  
 002-1427-00  
 Qty 8

**Speed Range**  
  
**450-800**

## Step 1

## Metal Grinding - Prepare surface to achieve desired exposure



Plate Configuration



Speed Range

**HD TearDrop**  
30/40 Grit  
Qty 24

**HD TearDrop**  
70/80 Grit  
Qty 24

Refer to page 6 for Tooling Bond

**Quick Tip**

Start with highest grit (70/80) where possible and move to lower grit (30/40) when necessary.

## Step 2

## Transition Stage - Remove metal tooling marks and prepare for densifying

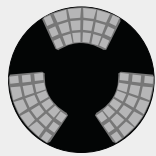


Plate Configuration



Speed Range

**Achromic Pro Plus**  
100 Grit  
Qty 24

OR

**Hybrid**  
100 Grit  
Qty 40

Refer to page 6 for Tooling Bond

**Quick Tip**

Use **Achromic** tooling for Hard or Medium surfaces and **Hybrid** tooling for Soft surfaces to effectively remove scratches and create a surface ready for densifying.

## Step 3

## Densifying - Harden floor and prepare for polishing stage



**ULTRAdensifil**  
200-700 sq ft per gal coverage

**Quick Tip**

This 2 in 1 product can be used as a pore and crack filler. Ensure all tool marks are removed prior to densifying. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 4

## Polishing - Bring floor to desired level of shine

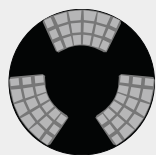


Plate Configuration



Speed Range

**Matte**  
**ULTRASHINE Pro Plus Resin**  
200 Grit  
Qty 24

**Semi-Gloss**  
**ULTRASHINE Pro Plus Resin**  
200-800 Grit  
Qty 24 of each

**High-Gloss**  
**ULTRASHINE Pro Plus Resin**  
200-1500 Grit  
Qty 24 of each

**Quick Tip**

See tooling legend on page 6 for part numbers. For grits higher than 1500, use blue diamond pads.

## Step 5

## Sealing - Protect and seal polished concrete surface



**ULTRAguard Sealer**  
500-700 sq ft per gal coverage

**Quick Tip**

Refer to TDS for application directions. Always test in an inconspicuous area to verify compatibility of substrate to sealer. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 6

## Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range

**7" Pink Nylon Pad**  
Qty 8

**Quick Tip**

Burnish floor with clean or new Pink Pads to achieve maximum shine. **On bigger jobs use a high speed propane or electric burnisher**

## Step 1

## Metal Grinding - Prepare surface to achieve desired exposure

Plate  
ConfigurationSpeed  
Range

**HD TearDrop**  
30/40 Grit  
Qty 24

**HD TearDrop**  
70/80 Grit  
Qty 24

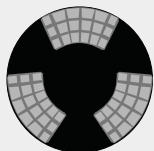
Recommend Gold Bond ( Soft Bond )

**Quick Tip**

Use a combination of two 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  
ConfigurationSpeed  
Range

**Achromic Pro Plus**  
100 Grit  
Qty 24

**Quick Tip**

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



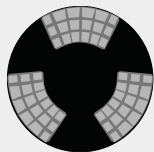
**ULTRAdensifil**  
200-700 sq ft per gal coverage

**Quick Tip**

This 2 in 1 product can be used as a pore and crack filler. Ensure all tool marks are removed prior to densifying. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 4

## Polishing - Bring floor to desired level of shine

Plate  
ConfigurationSpeed  
Range

**Matte**  
**ULTRASHINE**  
Pro Plus Resin  
200 Grit Qty 24  
**7" Pink Nylon**  
Pad  
Qty 8

**Semi-Gloss**  
**Achromic**  
200 Grit Qty 40  
**ULTRASHINE**  
Pro Plus Resin  
400 Grit Qty 24  
**7" Diamond Pad**  
800 Grit Qty 8

**High-Gloss**  
**Achromic**  
200 Grit Qty 40  
**ULTRASHINE**  
Pro Plus Resin  
400-1500 Grit  
Qty 24 of each  
**7" Diamond Pad**  
3000 Grit Qty 8

**Quick Tip**

Remove Plug 'N Go Plate and change to the Velcro Adapter Plate.

## Step 5

## Sealing - Protect and seal polished concrete surface



**ULTRAguard Sealer**  
500-700 sq ft per gal coverage

**Quick Tip**

Refer to TDS for application directions. Always test in an inconspicuous area to verify compatibility of substrate to sealer. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 6

## Burnishing - Achieve maximum shine and polish

Buffing  
PadSpeed  
Range

**7" Pink Nylon Pad**  
Qty 8

**Quick Tip**

Burnish floor with clean or new Pink Pads to achieve maximum shine. **On bigger jobs use a high speed propane or electric burnisher**

## Step 1

## Metal Grinding - Prepare surface to achieve desired exposure



Plate Configuration



Speed Range

**HD TearDrop**  
70/80 Grit  
Qty 24

Refer to page 6 for Tooling Bond

**Quick Tip**

Start with highest grit (70/80) where possible but if necessary use a combination of two 70/80 Grit and two 30/40 Grit.

## Step 2

## Transition Stage - Remove metal tooling marks and prepare for densifying

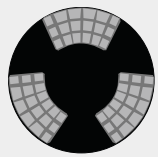


Plate Configuration



Speed Range

**Achromic Pro Plus**  
100 Grit  
Qty 24

**Quick Tip**

Remove all tooling marks using the Achromic tooling before moving on to the next step.

## Step 3

## Densifying - Harden floor and prepare for polishing stage



**ULTRAdensifil**  
200-700 sq ft per gal coverage

**Quick Tip**

This 2 in 1 product can be used as a pore and crack filler. Ensure all tool marks are removed prior to densifying. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 4

## Polishing - Bring floor to desired level of shine

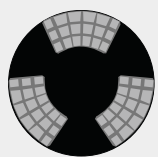


Plate Configuration



Speed Range

**Matte**  
**ULTRASHINE Pro Plus Resin**  
200 Grit  
Qty 24

**Semi-Gloss**  
**ULTRASHINE Pro Plus Resin**  
200-800 Grit  
Qty 24 of each

**High-Gloss**  
**ULTRASHINE Pro Plus Resin**  
200-1500 Grit  
Qty 24 of each

**Quick Tip**

See tooling legend on page 6 for part numbers. For grits higher than 1500, use blue diamond pads.

## Step 5

## Sealing - Protect and seal polished concrete surface



**ULTRAguard Sealer**  
500-700 sq ft per gal coverage

**Quick Tip**

Refer to TDS for application directions. Always test in an inconspicuous area to verify compatibility of substrate to sealer. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 6

## Burnishing - Achieve maximum shine and polish



Buffing Pad



Speed Range

**7" Pink Nylon Pad**  
Qty 8

**Quick Tip**

Burnish floor with clean or new Pink Pads to achieve maximum shine. **On bigger jobs use a high speed propane or electric burnisher**

## Step 1

Plate  
ConfigurationSpeed  
Range

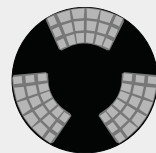
**HD TearDrop**  
70/80 Grit  
Qty 40

Refer to page 6 for Tooling Bond

Start with highest grit (70/80) where possible but if necessary use a combination of two 70/80 Grit and two 30/40 Grit.

## Step 2

## Transition Stage - Remove metal tooling marks and prepare for densifying

Plate  
ConfigurationSpeed  
Range

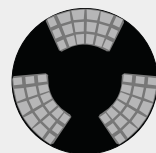
**Achromic Pro Plus**  
100 Grit  
Qty 24

**Quick Tip**

Remove all tooling marks using the Achromic tooling before moving on to the next step.

## Step 3

## Polishing - Bring floor to desired level of shine

Plate  
ConfigurationSpeed  
Range

**Matte**  
**ULTRASHINE**  
**Pro Plus Resin**  
200 Grit  
Qty 24

**Semi-Gloss**  
**ULTRASHINE**  
**Pro Plus Resin**  
200-800 Grit  
Qty 24 of each

**High-Gloss**  
**ULTRASHINE**  
**Pro Plus Resin**  
200-1500 Grit  
Qty 24 of each

**Quick Tip**

See tooling legend on page 6 for part numbers. For grits higher than 1500 use blue diamond pads.

## Step 4

## Sealing - Protect and seal polished concrete surface



**ULTRAguard Sealer**  
500-700 sq ft per gal coverage

**Quick Tip**

Refer to TDS for application directions. Always test in an inconspicuous area to verify compatibility of substrate to sealer. Available in 1qt, 1gal, 2.5gal & 5gal.

## Step 5

## Burnishing - Achieve maximum shine and polish

Buffing  
PadSpeed  
Range

**7" Pink Nylon Pad**  
Qty 8

**Quick Tip**

Burnish floor with clean or new Pink Pads to achieve maximum shine. **On bigger jobs use a high speed propane or electric burnisher**

Name	Part Number
<b>Surface Prep</b>	
PCD with TCD Shark (Clockwise)	002-1350-00
PCD with TCD Shark (Counter-Clockwise)	002-1349-00
1 Seg HD 16 Grit (Gold, Hard Surface)	002-1487-00
1 Seg HD 16 Grit (White, Medium Surface)	002-1415-00
1 Seg HD 16 Grit (Red, Soft Surface)	002-1418-00
2 Seg Shark HD 16 Grit (Gold, Hard Surface)	002-1493-00
2 Seg Shark HD 16 Grit (White, Medium Surface)	002-1426-00
2 Seg Shark HD 16 Grit (Red, Soft Surface)	002-1427-00
TearDrop HD 30/40 Grit (Gold, Hard Surface)	002-1482-00
TearDrop HD 30/40 Grit (White, Medium Surface)	002-1500-00
TearDrop HD 30/40 Grit (Red, Soft Surface)	002-1506-00
TearDrop HD 70/80 HD Grit (Gold, Hard Surface)	002-1483-00
TearDrop HD 70/80 Grit (White, Medium Surface)	002-1501-00
TearDrop HD 70/80 Grit (Red, Soft Surface)	002-1507-00
Bush Hammers 6 3/4	002-1517-00

<b>Transitional</b>	
PRO PLUS Achromic Resin 100 Grit (Medium & Hard Surfaces)	003-0397-00
Achromic Resin 200 Grit (Medium & Hard Surfaces)	003-0248-00
Hybrid Resin 100 Grit (Soft Surface)	003-0223-01

<b>Polishing</b>	
UltraShine Pro Plus Resin 200 Grit	003-0381-00
UltraShine Pro Plus Resin 400 Grit	003-0382-00
UltraShine Pro Plus Resin 800 Grit	003-0383-00
UltraShine Pro Plus Resin 1500 Grit	003-0384-00
7" Diamond Pad 3000 Grit	011-0062-00
7" Pink Nylon Pad (Buffing Pad)	011-0077-00

<b>Chemicals</b>	
ULTRAdensifil (Densifier) 1 QT	006-0231-00
ULTRAdensifil (Densifier) 1gal	006-0230-00
ULTRAdensifil (Densifier) 2.5gal	006-0228-00
ULTRAdensifil (Densifier) 5gal	006-0229-00
ULTRAguard (Sealer) 1QT	006-0130-04
ULTRAguard (Sealer) 1gal	006-0152-00
ULTRAguard (Sealer) 2.5gal	006-0130-01

**MOHS 7.5-9**

Hard Surface (Gold)

**MOHS 4.5-7.5**

Medium Surface (White)

**MOHS 2-4.5**

Soft Surface (Red)