Awlcraft 3000 Maintenance and Repair Manual

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Awlcraft 3000 is a premium, sprayable, easy-to-apply topcoat that brings you vibrant, true-to-life colors that stand out like never before. It's everything you love about Awlcraft 2000, now in an enhanced color platform. Utilizing our AkzoNobel YSC Toner System that amplifies the color depth to have deeper and truer colors.

Just like Awlcraft 2000, Awlcraft 3000 is repairable and buffable. In the event that you need to repair Awlcraft 3000, whether it is a minor scratch or a more extensive issue, this comprehensive guide will walk you through the process step by step for a successful repair.

Follow each step in this manual, as it has been developed to provide you with the best process for repairing. Deviating from the instructions may result in a visible repair that necessitates redoing the process.

Note: Some colors may be more difficult to repair than others, such as the tones of gray and pastel. The following instructions and application procedures require a degree of application skill and previous spray application experience.

1 PREPARATION

As with any application or repair, preparation is a key stage in the process. The area to be repaired, including a large section of area around it, should be thoroughly cleaned and degreased. Ensure that all detergent residue is rinsed from the surface. Use Awlgrip Wipe-Down Solvent (NAM/APAC: Awlprep 400 OT0170; EU: Surface Cleaner OT0340) as a final wipe down of the surface using the "two-cloth method".

2 SANDING THE REPAIR AND SURROUNDING AREA

Sand the area to be repaired along with the surrounding area. For small repairs (smaller than 15 cm / 6 in) sand approximately 5 times the size of the damaged area. For larger repairs (30-92 cm / 12-36 in):

a. Sand beyond the edge of the damaged area to allow room for the subsequent coats in the remaining steps.
b. Sand the repair area using P400 grit paper.
c. Work a second area beyond the P400 with P800 grit.
d. Sand beyond the P800 with P1500 grit out on to the undamaged paint area.

Blow off the surface with clean, dry compressed air while dry wiping with clean rags to remove sanding dust and residue. Following removal of the dust and residue, wipe the surface with Awlgrip Wipe-Down Solvent (NAM/APAC: Awlprep 400 OT0170; EU: Surface Cleaner OT0340) using the "two-cloth method".

Note: Care must be taken not to cut through the topcoat or other high spots. Hold the DA flat, turn down the air pressure (slow to medium speed), and sand using very light pressure.

From now on, it is possible to repair the area following two different methods, which will be described as Option One and Option Two. The procedure for Option One will be described first and next, you will find the Option Two steps. Pick only one method per repair area.

Option One is the first recommended method and should be followed when the repair is in high visibility areas, with high UV exposure areas, and when repairing challenging colors, such as gray and pastel tones.

Option Two is a simpler repair procedure appropriate for less visible areas, lower exposure areas, and standard color families not prone to pigment float.

Option One - Repair Method Continuation

3 APPLICATION OF AWLCRAFT 3000

Note: With most colors you should be able to achieve full opacity in 2 coats, however, certain colors may require 3 or more coats.

Mix your Awlcraft 3000 color as per the Technical Data Sheet (TDS). Apply Awlcraft 3000 over the damaged area, covering all of your P400 grit sand scratches on your first coat. Allow to flash off before applying your second coat.

The second coat should be applied over your first coat and half way into your P800 grit sand scratch area.

IMPORTANT NOTE A:

When applying the Awlcraft 3000 color, care should be taken to apply a fully coalesced film, but not overapplying. Always spray perpendicular to the substrate except when coming to the outer edge of the area being coated, at which point the spray gun should be pivoted away from the substrate to "fade-out" the application of Awlcraft 3000.

4 APPLICATION OF AWLCRAFT 3000 CLEARCOAT (TF0300)

APPLY

Prepare a standard mix of Awlcraft 3000 Clearcoat (TF0300) once the previous coat of Awlcraft 3000 has flashed. Apply Awlcraft 3000 Clearcoat as per TDS over the Awlcraft 3000 color extending out to now cover all of your P800 grit sand scratch area.

5 MIXING OF AWLCRAFT 3000 CLEARCOAT AND AWLGRIP REPAIR TOPCOAT BLENDER (OT0195)

MIX

Mix Awlcraft 3000 Clearcoat 50:50 by volume with Awlgrip Repair Topcoat Blender (OT0195), assuming you have enough Awlcraft 3000 Clearcoat left after the application of your 1 coat of clear. If not, mix more Awlcraft 3000 Clearcoat as per the TDS.

IMPORTANT NOTE B:

Use the same tip and aircap as for all previous applications, reduce air pressure and adjust fan and fluid feed as necessary for the application.

6 APPLICATION OF BLENDED AWLCRAFT 3000 CLEARCOAT / AWLGRIP REPAIR TOPCOAT BLENDER

APPLY

The 50:50 blend is only intended to be applied to the P1500 grit area; therefore, be prepared to do this while your coat of clearcoat is still wet. Overlap into your coat of clearcoat just enough for full melt in. It is vital that all the P1500 grit scratches are coated with the 50:50 blend.

Carry out step 7 immediately while the coating is still wet.

IMPORTANT NOTE C:

Be mindful of where your P1500 grit starts and stops. Try not to over apply onto unsanded area.

However, it is better for the repair if all sand scratches are filled, even if this means a small amount of the 50:50 blend is applied onto the unsanded area.

IMPORTANT NOTE D:

Apply the 50:50 blend with adjusted fluid feed, fan and air pressure taking care to apply a full film. This is critical otherwise a successful blend will prove nearly impossible.

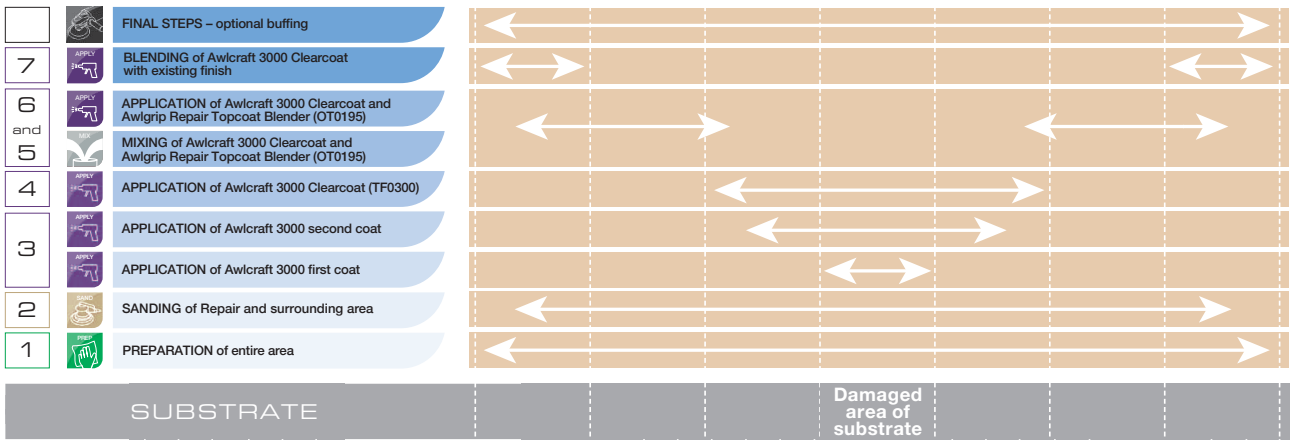
7 BLENDING OF AWLCRAFT 3000 CLEARCOAT WITH EXISTING FINISH

APPLY

While the previous coat is still wet, apply straight (neat) Awgrip Repair topcoat blender (OT0195), starting approximately 3–5 cm (1–2 in) in from the outer edge of the Awlcraft 3000 Clearcoat Blend (step 6). Continue to apply right over the edge of the clearcoat and into the unsanded area in order to blend the clearcoat into the existing coating.

Go to the FINAL STEPS section to complete the repair.

REPAIR SYSTEM – OPTION ONE



Option Two - Repair Method Continuation

3 APPLICATION OF AWLCRAFT 3000

APPLY

Note: With most colors you should be able to achieve full opacity in 2 coats, however, certain colors may require 3 or more coats.

Mix your Awlcraft 3000 color as per TDS. Apply Awlcraft 3000 over the damaged area, covering all of your P400 grit sand scratches on your first coat. Allow to flash off before applying your second coat. The second coat should be applied over your first coat and extend to cover all of you P800 grit sand scratch area.

IMPORTANT NOTE E:

Full coverage and hide of the damaged area with Awlcraft 3000 needs to be achieved before proceeding to step 4.

4 MIXING OF AWLCRAFT 3000 COLOR AND AWLGRIP REPAIR TOPCOAT BLENDER (OT0195)

MIX

Mix Awlcraft 3000 color 50:50 by volume with Awlgrip Repair Topcoat Blender (OT0195), assuming you have enough Awlcraft 3000 color left after the application of your 2 coats of color. If not mix more Awlcraft 3000 color as per TDS.

5 APPLICATION OF BLENDED AWLCRAFT 3000 COLOR / AWLGRIP REPAIR TOPCOAT BLENDER

APPLY

The 50:50 blend is only intended to be applied to the P1500 grit area therefore, be prepared to do this while your second coat of color is still wet. Overlap into your second coat of color just enough for full melt in. It is vital that all of the P1500 grit scratches are coated with the 50:50 blend.

Carry out step 6 immediately while the coating is still wet. Please, check IMPORTANT NOTE C and IMPORTANT NOTE D.

6 FINAL BLENDING OF AWLCRAFT 3000 COLOR INTO EXISTING FINISH

APPLY

While the previous coat is still wet, apply straight (neat) Awgrip Repair topcoat blender (OT0195) starting approximately 3-5 cm (1-2 in) in from the outer edge of the 50/50 Awlcraft 3000 color coat blend (step 5). Continue to apply right over the edge of the 50/50 color and into the unsanded area in order to blend the color into the existing coating.

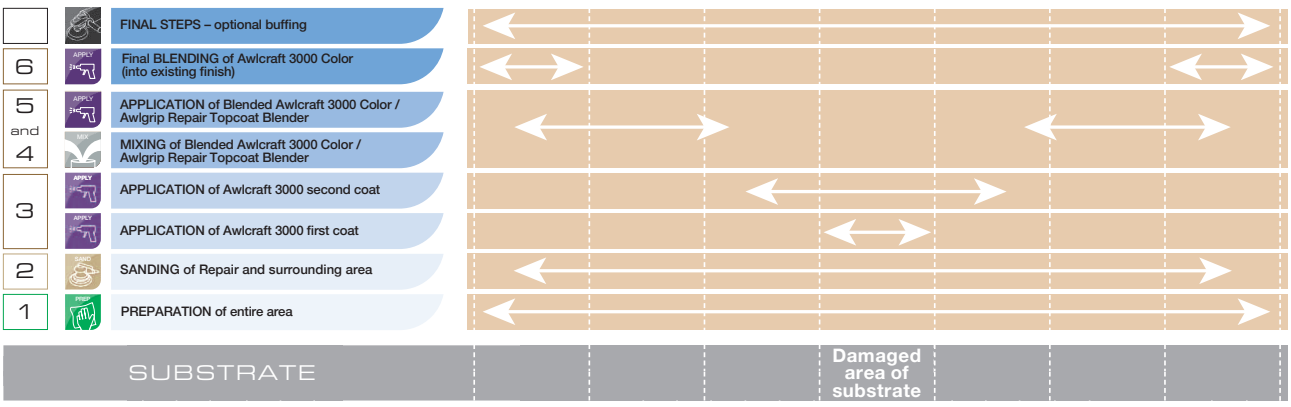
FINAL STEPS

BUFFING

As this previous step (7 for Option One, and 6 for Option Two) involves applying straight solvent, take care to not over-apply or have excessive volumes of solvent on the surface as this could result in defects from the solvent flowing unevenly across the repair area. OT0195 evaporates quite quickly so if multiple coats of Awlgrip repair topcoat blender are needed, wait 30-40 seconds to reapply.

The above steps should result in a near-invisible repair that may not require buffing. However, once cured the Awlcraft 3000 can be buffed to further blend in the repair. For best results, avoid wet sanding the blended area.

REPAIR SYSTEM – OPTION TWO



Care and Maintenance of Awlcraft 3000

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Over time, a buildup of dirt, grease and other contaminants can cause the finish to appear dull. The color and gloss can be easily maintained by following these simple guidelines:

DO:

1. Wash the surface regularly with Awlwash (North America: O73234) or Awlwash 2.0 (Europe and Asia Pacific: O73235) and water.

2. Use only mild solvents to remove stubborn stains. Awlprep, mineral spirits and xylene are acceptable for use on Awlcraft 3000. You can use Awlprep OT0008 globally, or Awlprep OT0115 and OT0170 in North America and Asia Pacific. Do not allow solvent to dry on the surface or puddle and soak into the surface. Wash these areas with Awlwash / Awlwash 2.0 and water to remove solvent residue.

3. Always thoroughly rinse surfaces with fresh water after cleaning with Awlwash / Awlwash 2.0 or solvents.

4. Use distilled white vinegar and hot water to remove stubborn salt stains. Washing with Awlwash / Awlwash 2.0 after use of vinegar is recommended.

5. Use Awlcare (73240) to remove mild diesel soot stains. Protecting the surface with Awlcare will help maintain the gloss of Awlcraft 3000. Awlcare is a hand applied (do not use any mechanical equipment to apply), non-abrasive, synthetic polymer. It will remove mild stains, water spots and diesel soot while increasing resistance to attack from acid rain and other pollutants, when applied regularly.

DO NOT:

1. Do not use traditional waxes. Awlgrip has developed Awlcare Protective Polymer Sealer (73240) for those who want to enhance their finish and need the additional cleaning power of a hand applied, dry wash product.

2. Do not allow contact between the Awlcraft 3000 and teak cleaners.

3. Do not allow metal polishes to dry on the surface of Awlcraft 3000. Metal polishes may discolor and stain the painted surface.

4. Do not use strong solvents (eg. lacquer thinner, M.E.K., acetone) to clean Awlcraft 3000.

5. Do not allow wet equipment (e.g. seat cushions, coils of line, sails, sail covers, coolers) to trap and hold moisture against Awlcraft 3000.

6. Do not ‘shrink wrap’ or tightly bind Awlcraft 3000 surfaces with plastic wrappings. The cover system, whether synthetic or natural fiber, should be ventilated to allow the coating system to ‘breathe’.

7. To prevent water spotting and etching, avoid washing topcoated surfaces during the middle of the day immediately after spending a long period of time in direct sunlight.

Visit us at awlgrip.com for further information.

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