

Autoclear UV Blending

FOR PROFESSIONAL USE ONLY

Description

The term spot repair and blending is understood to include all repairs to damaged areas resulting in an invisible repair or blend into the still intact existing OEM finish. As a result, the car refinisher is not compelled to spray complete panels in the instance of minor damage. The application method and technique described below is appropriate for spots and blends with Sikkens Autoclear UV.

Spot and blend area preparation

1. Thoroughly abrade the surface, removing the existing OEM surface texture. Sand the surface to be coated by using i.e.; sanding paper P1000 to P1500 preferably in combination with an 3 or 5 mm Soft Interface pad.
2. Thoroughly abrade the surface to be coated by using Sikkens Blend Prep in combination with water. Use a Grey scuff pad, or in the case of light metallic colours a 3M Copper scuff pad. Rinse sufficiently with clean water after use.



Final blending area preparation; thoroughly polish the blending area with a abrasive polishing compound.
Thoroughly remove all compound residues from the panel.

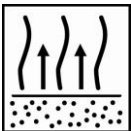


Surface cleaning: remove any surface contamination prior to the application of Autoclear UV using an appropriate surface cleaner.
Pay in particular attention to the blend area, ensure it is thoroughly cleaned and wiped dry with high performance surface cleaning cloths.

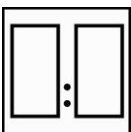
Blending application



Apply the topcoat or clearcoat according TDS recommendation
Extend the 2nd coat beyond the 1st coat



Indicated flash-off time according TDS at 20°C



100 Autoclear UV
 100 SRA Agent

Mix the ready to spray topcoat mixture thoroughly with 100 parts SRA Agent.

*Extra thinned material creates a lower spray viscosity.
 Apply the following blending steps using a reduced application pressure.*

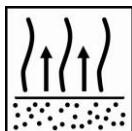


Apply one full flowing coat of the Autoclear UV SRA mixture over the blend area falling just short of the polished area. Fade this mixture in the direction of the previously applied clearcoat layer to reduce overspray on the blend area.

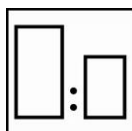
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Blending application (continued)

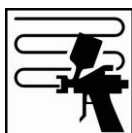


Approximately 15-30 seconds at 20°C



20 Autoclear UV SRA mixture (100:100)
 80 SRA Agent

Mixture for optimum clearcoat blending: Keep a little amount of the previous RTS blending mixture in the spray gun and add more Autoclear UV SRA Thinner. Shake thoroughly before use.



1-3 coats.

Apply the final blending coats by fading back into the previously applied clearcoat to reduce overspray and then extending forward into the polished area.

Do not dry the fade-out with air; SRA Thinner requires time to dissolve sufficiently into the existing finish. Allow for approximately 15-30 seconds flash off time between the applied SRA Thinner layers.

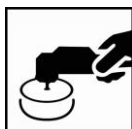
UV curing



Cure the Autoclear UV according TDS recommendations.

- Expose the Autoclear UV blend area for a longer period with UV light for optimum curing.
- The blend area is quicker to polish when exposed to in addition Infra Red for a minimum of 5 minutes.

Polishing of the blended area



Polish the blended area by hand with a fine polishing compound.

If more effort is required, polish by machine at low rotation speed with minimum surface pressure.

- Start polishing by using a fine polishing compound and soft compounding pad.

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