



Technical Service Bulletin

Using the 3M™ PPS™ with Glasurit 90-Line Basecoat

Number: GLABUL0158-E

Recently, 3M™ has introduced a 125 micron filter welded into their PPS™ lid. The BASF Technical Service & Applications Laboratory was asked to evaluate this new filter for use with Glasurit materials, specifically Glasurit 90-Line Waterborne Basecoat. After extensive testing in cooperation with technical staff from 3M, we are able to make the following recommendations;

1. The use of the 125 micron welded filter in the PPS lids with 90-Line is not acceptable due to an unacceptable color shift which appears to be caused by reduced fluid flow.
2. The use of the 200 micron welded filter with all Glasurit products gave excellent results and is fully approved by BASF for use with Glasurit materials.
3. An additional tip that has been developed is to **not** purge the PPS cup when spraying under most conditions. This provides better fluid flow and eliminates any potential color shift problems that have been seen when spraying with a purged cup that is nearly empty. The only advantage observed by the BASF application specialists by purging the PPS cup was the ability to spray with the gun held upside-down, as when applying paint to the top of the wheel wells.
4. The 200 micron 'barrel' filter has been found to provide acceptable results when used with an unpurged PPS cup with most Glasurit 90-Line colors, but does restrict the fluid flow slightly on high viscosity materials.

As with all Glasurit products, please refer to the Technical data sheets for proper usage.

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