

Anti-fog Products	Vistex 105-20 (Two-Part)	Vistex 111-50 (One-Part)
<b>Recommended Thickness</b>	4-8 microns	3-6 microns
<b>Solid(s) Content (by weight)</b>	Part A 13%; Part B 27%	10%
<b>Viscosity Range (Brookfield)</b>	Part A 75-150 cps, part B 10-25 cps	40-100 cps
<b>Refractive Index</b>	N/A	N/A
<b>Appearance</b>	Part A-colorless to pale amber; Part B-clear to slightly hazy	Colorless to pale amber with a clear to slightly hazy appearance
<b>Recommended Solvent Mix</b>	2:1 IPA-isopropyl alcohol to DI Water	If container tightly sealed, solids should remain at 10%. Solvent mix: DI water/ Isopropanol/N-methyl-2-pyrrolidone
<b>Alternative Solvent Mix</b>	N/A	N/A
<b>Water Washable</b>	Yes	Yes
<b>Silicon Incompatible</b>	Yes	Yes
<b>Dip or Flow Coat</b>	Both	Both
<b>Recommended Substrate</b>	Preferred substrate is PC w/o primer	Same as 105-20
<b>Primer Needed in</b>	Glass, metal & metalized plastics	Same as 105-20
<b>Recommended Solution to Solvent Ratio for Flow Coating</b>	10 parts Part A; 1 part Part B; 3 parts IPA-isopropyl alcohol & 1.4 parts DI water. This formulation will achieve 10% solids	Ready for use
<b>Recommended Solution to Solvent Ratio for Dip Coat</b>	10 parts Part A, 1 part Part B, 3 parts IPA-isopropyl alcohol & 1.4 parts DI water. This formulation will achieve 10% solids	Ready for use
<b>In Process Filtration</b>	0.2 micron filter, started 2 hours before coating process, should be kept continuously running	Same as 105-20
<b>Pot Life</b>	Mix at let rest overnight, covered, before using. If Parts A and B are mixed together for storage they may remain usable for up to 6 months.	Pot life depends on environmental factors such as heat and humidity. Keep sealed tightly in container to prolong pot life to full 6 months.
<b>Shelf Life</b>	1 year for both Part A and Part B	6 months
<b>Air Dry Time</b>	Oven curing should begin as soon as possible after coating (5-10 min)	Same as 105-20
<b>Pre-Cure or IR cure, if desired</b>	10 min @ 60C°	Same as 105-20
<b>Curing Conditions for Polycarbonate</b>	130C for 30 min	Same as 105-20

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<b>Post Cure</b>	Let rest overnight	Same as 105-20
<b>Packaging</b>	HDPE Bags, do not package in areas of high humidity, >than 70% RH	Same as 105-20
<b>Tinting</b>	N/A	N/A
<b>Clean-up</b>	Soap and water & IPA-Isopropanol alcohol	Same as 105-20
Technical Properties	Vistex 105-20 (Two-Part)	Vistex 111-50 (One-Part)
<b>Tests Passed for Fog Resistance</b>	N/A	N/A
<b>EN166 UV radiation</b>	N/A	N/A
<b>Clarity</b>	Less than 1% haze	Same as 105-20
<b>Scratch Resistance, Taber Abrasion According to ASTA D1044</b>	Superior to untreated polycarbonate	Same as 105-20
<b>Falling Sand Abrasion According to ASTM D968, Diffusion of Light</b>	N/A	N/A
<b>Pencil Hardness</b>	5B or greater on wet lens	Same as 105-20
<b>Anti-fog Test 1</b>	1 hr soak/1 hr dry-50C water in beaker, 30 sec fog-free	Same as 105-20
<b>Anti-fog Test 2</b>	24 hr soak/1 hr dry-place part in refrigerator until part temp is 4C°. Place part in room temp (21C°) at 70%-80% RH. Part should remain fog free.	Same as 105-20
<b>Chemical Resistance to Solvents</b>	Excellent, when briefly exposed	Same as 105-20
<b>Bleach, DEET Resistance</b>	N/A	N/A
<b>Weathering</b>	Does not crack or peel in sunlight, protects most plastics from yellowing	Same as 105-20
<b>Maintenance &amp; Care</b>	Can tolerate cleaning solvents and detergents. Can degrade with exposure to grease and oil. Clean with grease cutting detergent. Do Not Clean w a Dry Paper Towel!	Same as 105-20

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