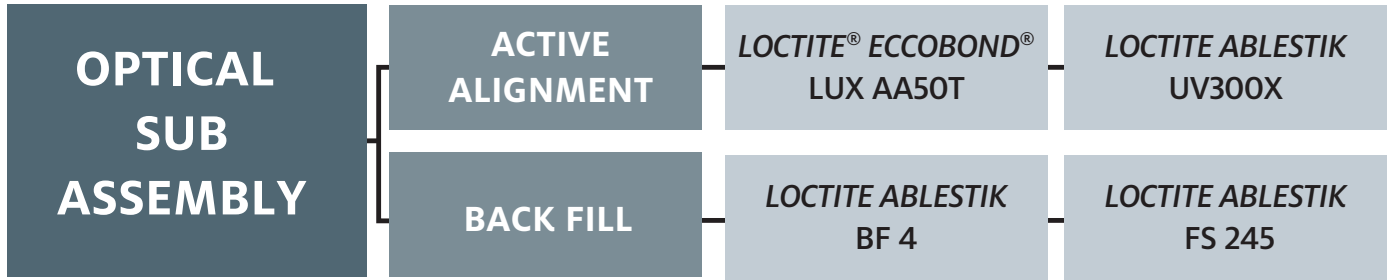


# Optical Sub Assembly



PRODUCT	TECHNOLOGY	APPLICATION	KEY ATTRIBUTES	VISCOSITY (cP)	GLASS TRANSITION TEMPERATURE, T <sub>g</sub> (°C)	COEFFICIENT OF THERMAL EXPANSION, CTE (ppm/°C)		CURE TYPE	CURE SCHEDULE
						Below T <sub>g</sub>	Above T <sub>g</sub>		
<b>ACTIVE ALIGNMENT</b>									
LOCTITE ECCOBOND LUX AA50T	Acrylate	Active Alignment	<ul style="list-style-type: none"> <li>Fast light cure</li> <li>High viscosity</li> <li>Low shrinkage</li> <li>Good mechanical stability</li> </ul>	96,000	163	36	98	UV/Heat	UV or visible light + 60 min. at 100°C
LOCTITE ABLESTIK UV300X	Acrylate	Active Alignment	<ul style="list-style-type: none"> <li>One component</li> <li>Fast cure</li> <li>Refractive index: 1.52</li> </ul>	70,000	88	45	188	UV/Heat	UV + 60 min. at 100°C
<b>BACK FILL</b>									
LOCTITE ABLESTIK BF 4	Epoxy	Back Fill	<ul style="list-style-type: none"> <li>Low outgassing,</li> <li>Low moisture absorption</li> <li>High T<sub>g</sub></li> <li>Non-conductive</li> </ul>	23,500	94	32	87	Heat	30 min. at 100°C
LOCTITE ABLESTIK FS 245	Epoxy	Back Fill	<ul style="list-style-type: none"> <li>Two component</li> <li>Thermally conductive</li> <li>Excellent impact and chemical resistance</li> </ul>	13,500	55	50.9	N/A	RT/Heat	72 hr. at 27°C or 2 hr. at 65°C