

Heat Release Epoxy Systems

TWO COMPONENT SYSTEMS											
Epoxy System*	Mixing Ratio (by volume)	Appearance	Viscosity (cps @ 25°C)	Gel Time**** (min.)	Cure Time (hrs.)	Hardness** (Shore "D")	Bond Strength (psi) Reference Values				Applications
							1 hr	2 hrs.	4 hrs.	24 hrs.	
AD4010A AD4015B	1 1	Light Yellow		8	2	70 - 78		1,950	2,097	2,849	Standard Heat Release System
AD4180A AD4180B	1 1	Light Yellow		11	2	73 - 80		2,626	3,057	3,365	Non-sagging system for vertical mounting
AD4180A AD4182B(M2)	1 1	Light Yellow		20	2	70 - 75		1,895	1,883	3,050	Non-sagging system for vertical mounting, increased working time
AD4130A AD4130B	1 1	Light Yellow		20	1 - 3	74 - 85		2,320	2,095		Low viscosity, increased working time
AD4130A AD4132B	1 1	Light Yellow		10	1 - 3	74 - 85	1,927	2,342	2,091		Low viscosity, decreased working time
AD4133A AD4133B	1 1	Light Yellow		16	1 - 3	75		1,855	1,489		Low viscosity, 16 minute working time
AD4137A AD4137B	1 1	Light Yellow		15	2 - 4	60	1,645	1,742			15 minute working time
AD4401A AD4401B	1 1	Light Yellow		14	2			457			Debonding at 70°C
AD4813A AD4813B	1 1	Light Orange		8	0.5 - 2		1,931				Low Viscosity, Rapid Curing
AD4814A AD4814B	1 1	Light Orange		4	0.5 - 2		1,900				Low Viscosity, Rapid Curing

ONE COMPONENT UV CURING SYSTEMS						
Epoxy System*	Appearance	Viscosity (cps @ 25°C)	Cure Time (hrs.)	Hardness** (Shore "A")	Bond Strength (psi)	Applications
AD4500	Off White	80,000	Instant	>95	541	Standard UV Curing System
AD4505	Off White	28,800	Instant	>95	541	Low Viscosity UV Curing System
AD4507	Off White	78,400	Instant	>95	669	Increased bond strength System

The data provided in the table above is typical and accurate to the best of our knowledge and is for reference only.

*Debonding requires temperatures of 95-99°C using a preheated hot water bath of oven temperature > 140°C

**Hardness Curing Condi@ons, 24 hours @ 25°C

***Film Hardness following UV Cure

****Gel Time Condi@ons, 20g @ 25°C

