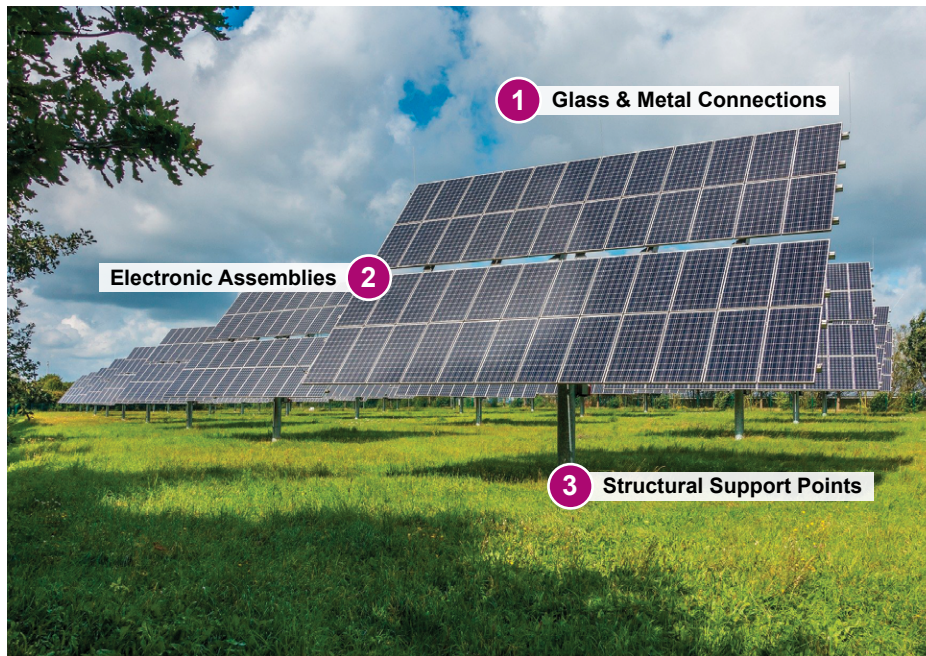




## Save Time with Primerless, Fast-Curing Plexus Adhesives



The Plexus<sup>®</sup> range of adhesives are proven to provide extremely durable bonds to glass, metals, and other materials used in the solar industry. Solar manufacturers choose Plexus adhesives over other assembly methods due to their primerless adhesion, fast cure, and resistance to environmental exposure.

### Benefits

#### Fast Strength Development

Unclamps faster than current solutions.  
Longer open time.

#### Improve Durability

Excellent fatigue resistance.  
High strength, elongation, and impact resistance.

#### Reduce Surface Preparation

No primers or adhesion promoters required.  
Wide adhesion range of substrates.

#### Mixed Material Bonding

Primerless to metals, thermoplastics & composites.  
Enables new engineering designs.

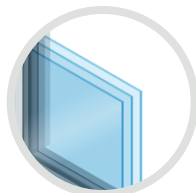
#### Easy to Use

Handles off-ratio mixing.  
Thixotropic beads that don't sag.

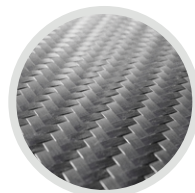
### Key Substrates



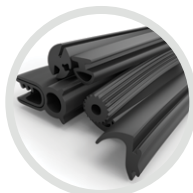
Metals



Glass



Composites



Rubber



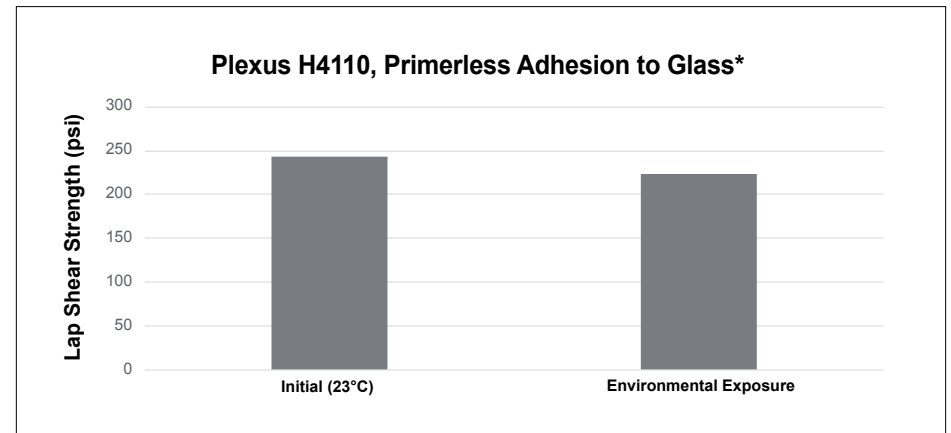
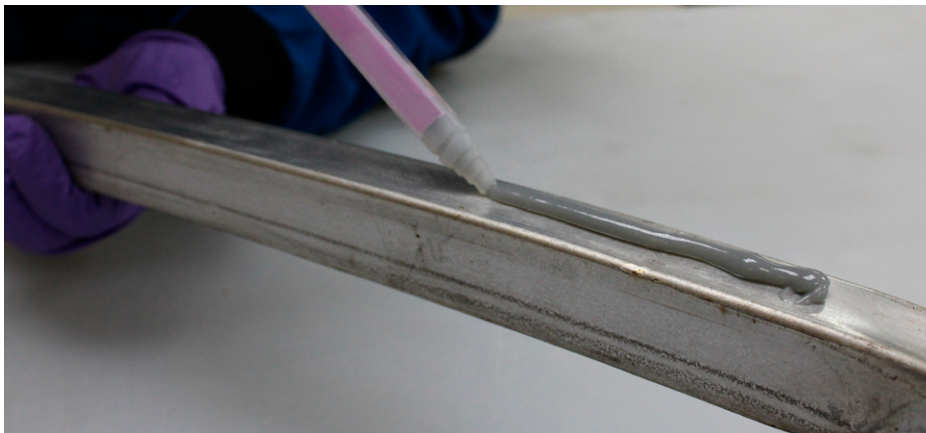
chemical-concepts.com  
**800.220.1966**

410 Pike Road • Huntingdon Valley, PA 19006



Product	Applications	Chemistry	Mix Ratio	Working Time min.	Fixture Time min.	Tensile Strength psi (MPa)	Tensile Elongation %	Substrate Adhesion				Unique Properties		
								Raw Metal	Coated Metals	Amorphous Plastics	Composites	Primerless to Metal	Low Shrink	Low Odor
MA300	All Purpose, High Strength	MMA	1:1	3 - 6	12 - 15	3,000 - 4,000 (20.7 - 27.6)	5 - 15	●*	●	●	●			
MA310	All Purpose, High Strength	MMA	1:1	15 - 18	45 - 55	3,500 - 4,500 (24.1 - 31)	5 - 15	●*	●	●	●			
MA8105	Low Odor, High Toughness, Primerless to Metal	MMA	1:1	3 - 6	12 - 16	3,100 - 3,600 (21.4 - 24.8)	20 - 40	●	●	●	●	●	●	●
MA8110	Low Odor, High Toughness, Primerless to Metal	MMA	1:1	8 - 12	35 - 50	3,000 - 3,500 (20.7 - 24.1)	40 - 70	●	●	●	●	●	●	●
MA8120	Low Odor, High Toughness, Primerless to Metal	MMA	1:1	18 - 22	75 - 90	2,500 - 3,000 (17.2 - 20.7)	50 - 80	●	●	●	●	●	●	●
MA420	All Purpose, High Strength, High Toughness	MMA	10:1	4 - 6	18 - 22	2,700 - 3,000 (18.6 - 20.7)	30 - 50	●*	●	●	●			
MA832	Primerless to Aluminum, High Strength	MMA	10:1	12 - 16	55 - 60	2,700 - 3,000 (18.6 - 20.7)	30 - 60	●	●	●	●	●		
PU2105	Primerless to Metal, No Odor, Low Shrink, Non-Flammable	PU	1:1	4 - 6	18 - 22	3,700 - 4,350 (13.8 - 19.3)	~5	●	●	●	●	●	●	●
H4110	Primerless to Metal, Elastic, Low Shrink, Non-Flammable	Hybrid	1:1	8 - 12	50 - 65	800 - 1,000 (13.8 - 19.3)	150	●	●	●	●	●	●	●

● Preferred ● Good \* PC120 Cleaner/Conditioner Recommended



\*All testing resulted in Substrate failure modes.