

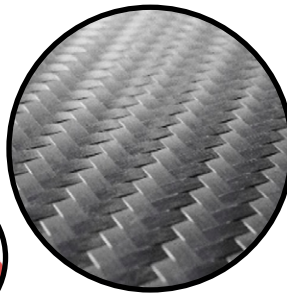
Bond TPO to Metals or Composites Without Breaking the Bank



Metals

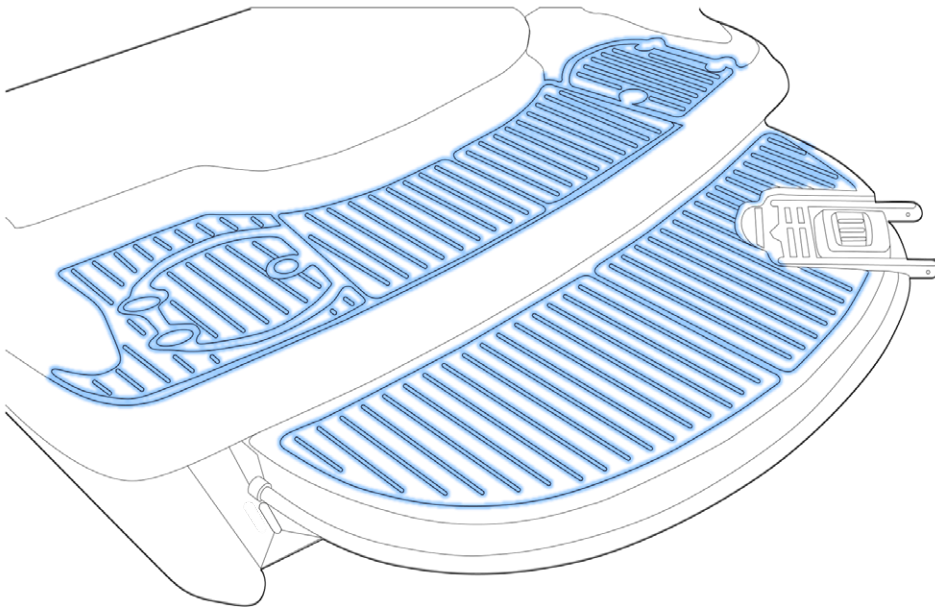


TPO
(with treatment)



Composites

HDPE to Fiberglass



Plexus H4110 & PU2105 have been developed with special adhesion promoters. When these adhesives are used with a cost-effective proprietary surface treatment, they provide robust adhesion to many TPO, HDPE, and PP blends.

Benefits:

Fast Strength Development

- Unclamp faster than current solutions
- Longer open time

Stable & Easy to Store

- Long shelf life at room temperature
- Does not require refrigeration

Mixed Material Bonding

- Primerless to Metals & Composites
- Enables new design & engineering

Easy to Use

- 1:1 ratio products
- Thixotropic beads that don't sag

Simple Surface Treatment

- Longer available working time than current treatments
- Easy to integrate into bonding processes

	PU2105	H4110
Mix Ratio	1:1	1:1
Working Time (min.)	3 to 5	9 to 11
Handling Time (min.)	30 to 45	65 to 75
Tensile Strength	4,060 psi (28 MPa)	950 psi (6.5 MPa)
Tensile Modulus	181,000 psi (1,250 MPa)	5,800 psi (40 MPa)
Elongation (%)	5	150
Treated TPO Lap Shear Room Temp	658 psi (4.54 MPa)	569 psi (3.92 MPa)
Treated TPO Lap Shear 180°F (82°C)	254 psi (1.75 MPa)	227 psi (1.57 MPa)
Treated TPO Lap Shear -40°F (-40°C)	894 psi (6.17 MPa)	924 psi (6.37 MPa)
Aluminum Lap Shear (1,000 hour salt fog)	2,804 psi (19.34 MPa)	988 psi (6.81 MPa)
Stainless Steel (1,000 hour salt fog)	1,751 psi (12.08 MPa)	1,052 psi (7.26 MPa)

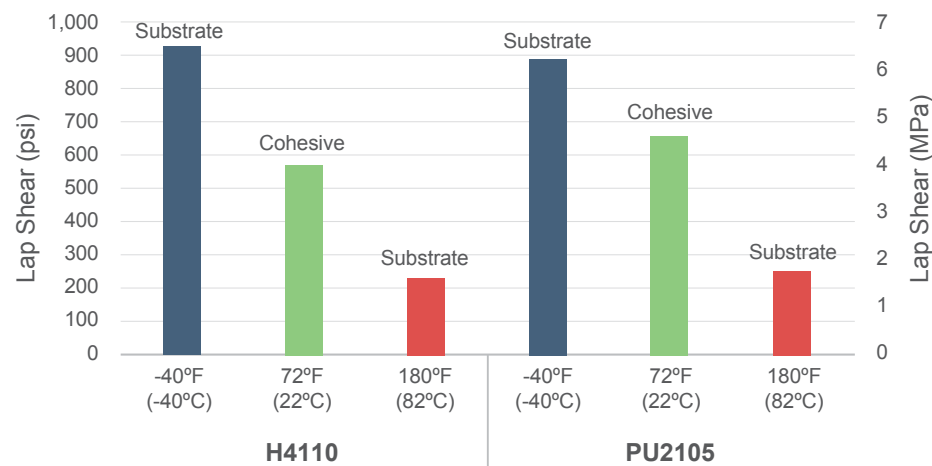
PU2105 & H4110

Item no.	Description
41100.....	H4110 400 ml Cartridge
21050.....	PU2105 400 ml Cartridge

Dispensing Equipment

Item no.	Description
3333.....	Static Mixer
30020.....	Manual Dispenser
30010.....	Pneumatic Dispenser

Robust TPO Bonding with Plexus



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