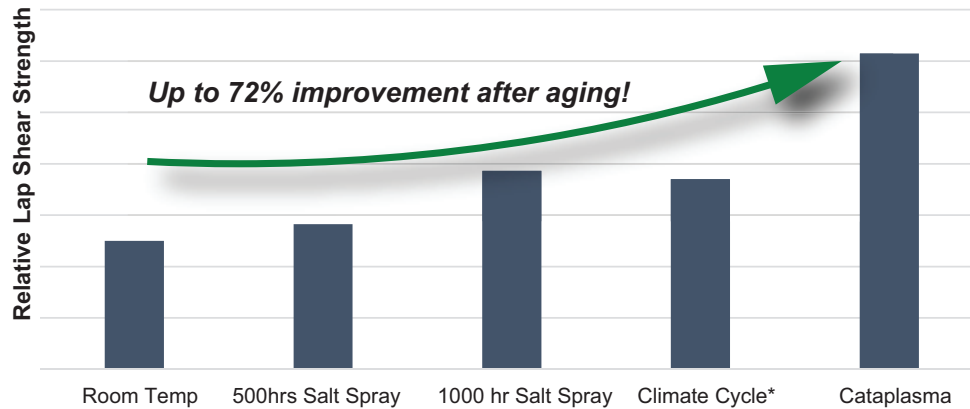
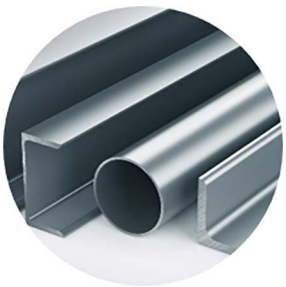


Increase Production Output with High Strength, Rigid Structural Adhesive

Excellent Environmental Resistance



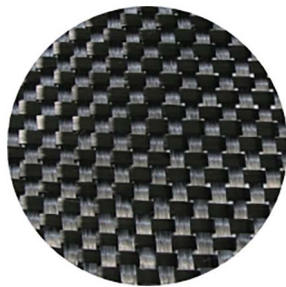
Substrates Bonded



Metals



Thermoplastics



Composites

Plexus PU2105 is a two-part structural polyurethane adhesive that bonds a variety of substrates including composites, thermoplastics, metal and wood. Plexus PU2105 exhibits high strength while forming tough, rigid bonds. Excellent environmental resistance. Benefits include:

High Throughput

- Eliminates primer and activator steps

Easy to Use

- 1:1 ratio that dispenses easily into a thixotropic bead

Eliminates Rework

- Low/no shrinkage and low exotherm results in no print through

Odor-Free



PU2105 Structural Urethane Adhesive

Typical Properties

Mix Ratio	1:1
Working Time ¹ , min	4
Handling Time ² , min	45 - 50
Fixture Time ³ , min	115
Tensile Strength, psi (MPa)	4,060 (28)
Tensile Modulus, psi (MPa)	181,000 (1,248)
Elongation, %	5
Operating Temp, °F (°C)	-40°F - 180°F (-40°C - 82°C)

Lap Shear

G60, psi (MPa)	1,885 (13)
Aluminum, psi (MPa)	1,482 (10.2)
Stainless Steel, psi (MPa)	1,482 (10.2)
Fiberglass, psi (MPa)	1,247 (8.6)
T-Peel G90, pli (N/mm)	50 (8.8)

Packaging

North America

Item no.	Description
21050	– 400 ml Cartridge
21052	– 40 gal Adhesive
21054	– 40 gal Activator

EMEA

Item no.	Description
21050	– 400 ml Cartridge
1741	– 150 L Activator
1742	– 150 L Adhesive

Dispensing Equipment

Item no.	Description	Item no.	Description
3333	– Static Mixer	3592	– Static Mixer
30020	– Manual Dispenser	30020	– Manual Dispenser
30010	– Pneumatic Dispenser	30010	– Pneumatic Dispenser

**Refer to our Technical Data Sheets and Safety Data Sheets
for additional technical and safety information.**

1. The maximum allowable time to apply adhesive, mate and position parts after mixing adhesive at room temperature
2. Time to reach 50 psi (0.3 MPa) Lap shear strength
3. Time to reach 200 psi (1.4 MPa) Lap shear strength

Plexus is a registered trademark of Illinois Tool Works, Inc.

© 2020 Plexus – © 2020 ITW Performance Polymers, October, 2020

The technical information, recommendations and other statements contained in this sheet are based upon tests or experience that ITW Performance Polymers believes are reliable, but the accuracy or completeness of such information is not guaranteed. The information provided is not intended to substitute for the customers own testing.