

# STRUCTURAL ACRYLICS

- *High Strength Magnet Bonder*
- *Fast Curing Universal Bonder*
- *High Viscosity High Strength*
- *Sealing & Potting*
- *Multi Metal Bonder*
- *Low Energy Surface Plastic (PP) Bonder*

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A must for Industrialists, Engineers, Architects, Developers, Professionals & Consultants.



**My-T-BOND®**  
**STRUCTURAL** Acrylics

Structural Acrylics adhesives are two component adhesives made from speciality acrylics and are formulated to provide high strengths, high impact, peel strengths and ability to bond a variety of engineering polymers and metals with minimal surface preparation and low fixture times.

## PRODUCTS

**My-T-BOND®**

**624**

(High Strength  
Magnet Bonder)

**My-T-BOND®**

**1151**

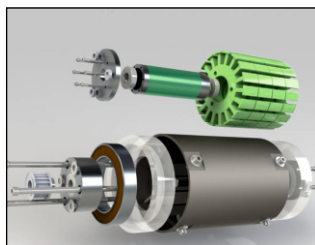
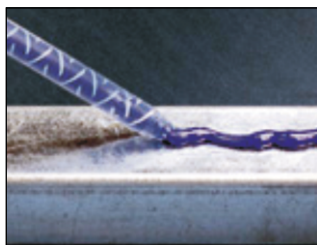
(Fast Curing  
Universal Bonder)

**My-T-BOND®**

**1151 H**

(High Viscosity  
High Strength)

<b>Description</b>	It is a high impact strength structural single component adhesive with high toughness, it cures when confined between close fitting parts with the aid of an activator.	2K solvent free reactive acrylic universal structural adhesive designed to bond thermoplastic, metal and composite assemblies. Combined at 1:1 mix ratio, My-T-Bond 1151 produces fast curing system with high strength, toughness and impact resistance as well as ability to bond wide range of materials most of the time with out surface preparation or reduced surface preparation.	High viscosity, 2 K solvent free reactive acrylic universal structural adhesive designed to bond metals, plastics & composites. Specially designed product of 1:1 mix ratio, to provide moderate work life with very high green strength on wide range of materials.
<b>Appearance</b>	Transparent Amber Liquid	Part A - Light Green Part B - White <b>A+B = Light Green</b>	Part A - Blue Part B - Off White <b>A+B = Black to Dark Blue</b>
<b>Specific Gravity</b> (25±2°C) <b>ASTM D1875</b>	1.05	(A) 1.0 (B) 1.0	(A) 1.14±0.03 (B) 1.04±0.03
<b>Viscosity, Brookfield</b> (25±2°C) <b>ASTM D1084</b> (cP)	13000 - 24000	(A) 90000 - 130000 (B) 50000 - 70000	(A) 14,00,000 - 18,00,000 (B) 1,00,000 - 1,50,000
<b>Mix Ratio by Weight (A&amp;B)</b>	-	1:1	1:1
<b>Pot Life @ 25±2°C</b> (min)	-	8 - 10	20 - 22
<b>Total Cure @ 25±2°C</b> (Hrs)	24	24	24
<b>Hardness Shore D</b> (25±2°C) <b>ASTM D2240</b>	-	80 ± 3	70-75
<b>Lap Shear Strength</b> <b>ASTM D1002</b> (Steel) (N/mm <sup>2</sup> )	20 - 35	≥ 25	25 - 30
<b>Tensile Strength</b> <b>ASTM D897</b> (Steel) (N/mm <sup>2</sup> )	17 - 30	≥ 30	35 - 40
<b>Service Temperature</b> (°C)	-50 to 150	-50 to 150	-50 to 150
<b>Shelf Life @ 25±2°C</b> (Months)	12	6	06
<b>Pack Size</b> (ml)	50 & 250	50 & 400 (Dual Cartridge)	50 & 400 (Dual Cartridge)



**My-T-BOND®**

**1107**

**(Sealing & Potting)**

**My-T-BOND®**

**1171**

**(Multi Metal Bonder)**

**My-T-BOND®**

**1161**

**(Low Energy Surface  
Plastic (PP) Bonder)**

It is a two component solvent free reactive acrylic adhesive for sealing and potting of metals and plastics. It is a low viscous system. It is a quick cure system with short pot life. It comes in a two part system and applied in 1:1 ratio by volume using common double cartridges.

2K system with 10:1 mix ratio developed for bonding multiple galvanized processed metals, having features like high strength, toughness and impact resistance on galvanized metals and dissimilar metals with low surface energy. Excellent bonding to all Zinc coatings, metals and other coatings, high Spangled z-90, z-60HDG, galvaneal, galvalume, E-coated steel etc. with out any surface preparation or primer application.

TPO Bonder a, 2K system with 10:1 mix ratio & 5-7 min pot life with very high green strength. Specially developed for bonding multiple low energy surface plastics and metals like PP, HDPE, LDPE, Nylon, 6 & 66, Urethane, CFRP & galvanized processed metals, other metals and coatings. Excellent bonding to all low energy surface plastics and Zinc coatings, metals and other coatings, with out any surface preparation or primer application.

Part A - Dark Straw  
Part B - Straw  
**A+B = Green**

Part A - Light Brown  
Part B - Yellow  
**A+B = Yellow**

Part A - Light Pink  
Part B - Straw  
**A+B = Dark Yellow**

(A) 1.0  
(B) 1.0

(A) 1.00  
(B) 1.00

(A) 1.05  
(B) 1.05

(A) 2000 - 3500  
(B) 700 - 1200

(A) Paste  
(B) Paste

(A) Paste  
(B) Paste

1:1

10:1

10:1

3 - 5

10 - 15

5 - 7

24

24

24

68

65 ± 5

65 ± 5

23 - 30

≥ 15

PP, HDPE ,LDPE, PC, ABS - Substrate Failure

17 - 25

≥ 12

23 - 30

-40 to 120

-40 to 120

-40 to 90

06

06

06

50 & 400  
(Dual Cartridge)

50 & 400  
(Dual Cartridge)

50 & 400  
(Dual Cartridge)



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