

LOCTITE®



LOCTITE® EA 3501™ HT

High Temperature & High Performance Seam Sealant for AGRICULTURE & CONSTRUCTION EQUIPMENT

► THE CHALLENGE

A variety of traditional seam sealants are available and specified by Agriculture and Construction designers. Each has limitations including but not limited to:

- Moderate/low adhesion to bare, oily metal
- Poor temperature resistance for powder and e-coat processes
- Inconsistent polymer toughness and flexibility following post processes
- Undesirable Health and Safety ratings

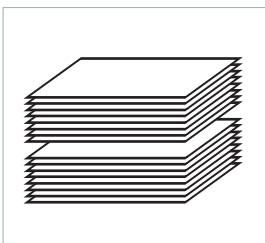
► THE LOCTITE® SOLUTION

EA 3501™ HT addresses all these challenges and more. This one-part, heat-cure epoxy has been specifically formulated for Agriculture and Construction seam sealing and offers:

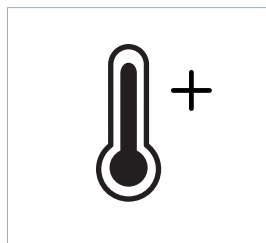
- Excellent adhesion to bare, oily metal
- Ideally suited for e-coat and/or powder coat processes
- Maintains flexibility, adhesion and color up to 437°F (225°C) with a flexible cure profile
- Improved Health & Safety

LOCTITE® EA 3501™ HT Key Features:

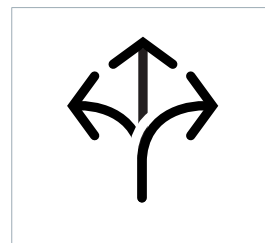
Adhesion to Bare,
Oily Metal



Powder/E-Coat
Compatible



Tough and Flexible
Sealant



Henkel

LOCTITE® EA 3501™ HT Versus Traditional Seam Sealants:

PRODUCT	SILANE MODIFIED POLYMER (SMP)	METHYL METHACRYLATE (MMA)	TRADITIONAL 1-PART EPOXY	POLYACRYLATE PLASTISOL SEALANT	LOCTITE® EA 3501™ HT
Adhesion to Bare Oily Metal	✗	✓	✓	✗	✓
Temp Resistance	✗	✗	✓-	✓	✓
Flexibility After High Temp. Paint Bake	✓	✓	✗	✓	✓
Metal Pre-treatment Resistance	✗	✓	✓	✗	✓
Smooth Ability	✓	✓	✗	✓	✓
Health & Safety	✓	✗	✓	✓-	✓
Sag Resistance @ Elevated Temp.	✓	✓	✓	✓	✓

LOCTITE® EA 3501™ HT Key Material Properties*

Technology	Epoxy (1-Part)	Shore A Hardness	65-85
Cure Method	Heat Cure	Solids Content	100%
Cure Profile	~ 30 mins @ 320°F (160°C)	Lapshear Strength (Mild Steel and Oily Steel)	146 PSI (1.01 mPa)
Appearance	Gray Paste	Storage & Shelf Life	77°F (25°C): 12 months
E-Coat Compatibility (SAE J1969)	Rating 10/10	Pack Sizes:	310 ML (Cartridge) 25 KG (Pail) 260 KG (Drum)
Sag Resistance (SAE J243 Method B)	0 mm No Sagging		

*Please consult the LOCTITE® LDS/TDS for additional product technical data.

LOCTITE® EA 3501™ HT Ordering Information:

310 ML (Cartridge)	25 KG (Pail)	260 KG (Drum)
2589420	2572437	2572440

➤ RECOMMENDED DISPENSE METHOD

TEROSON® PowerLine II Air Cartridge Gun

The Henkel TEROSON® PowerLine II Air Cartridge Gun with integrated pressure gauge is a very powerful tool for dispensing high viscosity, one component sealants from cartridges.

IDH# 960304



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