

PRODUCT HIGHLIGHTS

4172

Ultra Flex[®] Seam Sealer & Adhesive

DESCRIPTION:

Ultra Flex[®] Seam Sealer & Adhesive is a solvent- and isocyanate-free multi-purpose sealant. It may be applied by caulking gun or spray equipment and is easily extruded and tooled. 4172 is a moisture curing sealant developed for automotive and industrial applications requiring elasticity, high strength and excellent adhesion. The product is tough, elastic and waterproof. It bonds aggressively to steel, aluminum, galvanized metal, fiberglass, urethane, epoxy, polyester, water-based primers, glass, Styrofoam[®] and many plastics.

PRODUCTS:

4172 Ultra Flex[®] Seam Sealer & Adhesive (tan), 11 oz cartridge (305 ml), 12/case



SURFACE PREP:

Depending on surface, see surface preparation for sanding recommendations
Clean surface with SCAT (TDS222), Speedi SCAT (TDS223) or Aqua SCAT 2 (TDS225).



MIX RATIO:

Ready to use.



DRY TO PAINT TIME:

Paintable immediately, 12-24 hour cure time.

*See next page for more detailed product application. See website for this document in other languages.
Vea la página siguiente para un uso más detallado del producto. Vea el Web site para este documento en español.
Voir la prochaine page pour une application plus détaillée de produit. Voir le site Web pour ce document en français.*

PRODUCT DATA

4172

Ultra Flex[®] Seam Sealer & Adhesive

SUITABLE SUBSTRATES:

Can also be used for bonding non structural components including door skins, interior/exterior panels, and roofs and flooring for trucks, trains, vans, RVs and specialty vehicles.

SURFACE PREPARATION:

Surfaces must be clean and free from wax, silicone or grease. Clean surface with SCAT (TDS222), Speedi SCAT (TDS223) or Aqua SCAT 2 (TDS225).

For Bonding: Abrading with 180-220 grit abrasive followed by cleaning with SCAT will improve the bond strength.



APPLICATION:

1. Apply bead of sealant along seam to be sealed.
2. Sealant may be tooled as desired, and holds brush marks very well.
3. Full cure will be achieved in 12 – 24 hours depending on humidity and material thickness.

NOTE: Product can be painted immediately. If product is to be painted, it must be painted within 2 hours to assure proper adhesion. If 4172 is not painted within 2 hours, simply apply one coat of TPO Adhesion Promoter (TDS100) at any time after 2 hours prior to applying subsequent coats.

TIP: Another strategy for handling extended paint times is to apply 2 in 1 Primer (TDS308) immediately over the 4172 then abrading with a scuff pad (red or gray) and degreasing prior to painting.

TIP: To save unused material for later use, leave the plastic nozzle on the cartridge. This will keep moisture from entering the cartridge and curing the material. Simply replace the nozzle with a new one the next time you use the product.

Refer the Technical Datasheet for #4435 Sprayable Seam Sealer Gun (TDS813) for spraying application.

TECHNICAL DATA:

APPEARANCE:	Tan Paste, Gray Paste
% SOLIDS:	99%
CONSISTENCY:	Medium Paste
MIX RATIO:	Ready to Use
WORKING TIME:	10 minutes
SKIN TIME:	12 minutes
CURE TIME:	12 - 24 hours (3/16" per 24 hours)
TIME TO PAINT:	Immediately Paintable
SHELF LIFE:	12 months unopened
SHORE A HARDNESS:	45
ELONGATION:	230%
TENSILE STRENGTH:	190 psi
COLD TEMP RESISTANCE:	@ -20°F (-28°C) remains flexible
HEAT TEMP RESISTANCE:	@ 200°F (93°F) no degradation

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REGULATORY:

Category: Adhesve & Sealant 4172	Individual Component
VOC Actual	0
VOC Regulatory	0
Weight % of Volatiles	0
Weight % of Water	0
Weight % of Exempt Compounds	0
Volume % of Exempt Compounds	0
Density of Material	12.5

ADVANTAGES:

- Fast curing and has excellent chemical resistance
- One component/moisture curing
- Adheres to a wide variety of materials, including bonding dissimilar materials
- Designed for direct to metal application
- Permanently elastic in a broad temperature range with virtually no shrinkage
- Paintable up to 2 hours after application
- High strength bonds that can replace rivets and mechanical fasteners
- Odor, solvent and isocyanate free formulation, 99% solids
- Can be applied with caulking gun or air gun

COMPETITION:

3M Ultrapro MSP Seam Sealer #08369

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