



Available in 50mL cartridges with (2) nozzles (05-16L)
and in 210 mL cartridges with (3) 24-element nozzles (08-24D).

AE 303 30-Second Fast Set Plastic Bond & Repair Adhesive

Repair and bond plastic, fiberglass, SMC, carbon fiber,
and prepped metal surfaces. Ideal for non-structural,
mechanical, and cosmetic automotive applications.

Work Time: 30 seconds **Sand & Paint Time:** 3 minutes

Base Material: Polyurethane **Color:** Black



TYPICAL WORKING PROPERTIES

	Part A Beige	Part B Black	Mixed Black
Color:			
Viscosity @ 77°F, cps:	40,000 – 80,000	70,000 – 140,000	—
Weight per Gallon, pounds:	11.00	11.20	—
Filler Type:	Non-Abrasive	Non-Abrasive	Non-Abrasive
Gel Time (1/8" bead @ 77°F), seconds:	—	—	20 – 40
Sanding Time (1/8" bead @ 77°F), minutes:	—	—	3 – 7
Shelf Life, sealed containers:	6 months	6 months	—

Mix Ratio

	Parts By Weight	Parts By Volume
AE 303 Part A:	1	1
AE 303 Part B:	1	1

Recommended Cure Schedule

1 day at 77°F

Typical Cured Physical Properties

Hardness, Shore D:	60 – 75
Lap Shear Strength, Al/Al @ 77°F, psi:	1,500
T-Peel Strength, Al/Al @ 77°F, pli:	17

Disclaimer

All times stated are approximate and dependent on temperature and humidity of working environment.
The information is based on our research and is believed to be accurate; however, no expressed or
implied warranty is given.

PLASTIC BONDING

Long-term, non-structural repair

Caution

For professional use only. Refer to the Safety
Data Sheet (SDS) and product label for safe
use and handling instructions.

Directions

1. Ensure surfaces are clean, dry, and free of
dirt, grease, oil, rust, paint, and other
contaminants.
2. Load the cartridge into a compatible
dispensing gun. Remove cap and dispense
a small amount to equalize pistons.
3. Attach mixing tip and dispense a small
amount to ensure proper mixing.
4. Apply adhesive to the repair area and
mate parts immediately (30-second
working time).
5. Hold or clamp until initial set is achieved.
6. Once cured (approximately 3 minutes), sand
as needed prior to priming or painting.
Follow paint manufacturer
recommendations.

Preserving Unused Product

Replace the dual plug and secure with the cap.

Storage and Handling

Store indoor in a cool, dry location
at a temperature between 50°F to 86°F.
Protect from freezing.

Disposal

Dispose of contents and container in
accordance with all federal, state, and
local laws.

Warning

For industrial use only. Handle with care.
An MSDS is available upon request. Prolonged
skin contact may cause irritation or dermatitis.
Wear eye protection and appropriate gloves
when handling. If swallowed, seek medical
attention immediately.

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Adhesive Engineering is a division of Barker Industrial Group.

For over 30 years, we've worked alongside distributors, OEMs, manufacturers, and end users to develop
adhesive and dispensing solutions for demanding real-world applications.

For more information and samples, contact your local distributor or an AE representative.

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