8332

Fast Set Epoxy

8332 is a quick-set 2-part epoxy adhesive. Bonded parts need only be held together for eight to ten minutes before handling. It offers excellent adhesion to a wide range of materials that are difficult to bond with, including glass, fiberglass, concrete, ceramics, woods, and most metals and plastics.

This is a general-purpose adhesive suitable for household, industrial and manufacturing applications.



Features & Benefits

- Quick set time
- Low shrinkage
- Provides strong electrical insulation
- Protects against thermal and mechanical shocks
- Strong resistance to humidity, salt water, acids, bases, and aliphatic hydrocarbons
- Comes in convenient dual cartridges, suitable for automated dispensing applications

Available Packaging

Cat. No.	Packaging	Net Vol.	Net Wt.
8332-25ML	Dual Syringe	25 mL	28.6 g
8332-50ML	Dual Cartridge	46 mL	79.3 g

Contact Information

MG Chemicals, 1210 Corporate Drive
Burlington, Ontario, Canada L7L 5R6

Email: support@mgchemicals.com

Phone: North America: +(1)800-340-0772
International: +(1) 905-331-1396
Europe: +(44)1663 362888

Cured Properties

Breakdown Voltage	23 200	V
Dielectric Strength	250	V/mil
Resistivity	1.7×10^{14}	Ω·cm
Hardness	82	D
Tensile Strength	34	N/mm^2
Compressive Strength	63	N/mm^2
Lap Shear (stainless steel)	4.9	N/mm^2
(aluminum)	5.9	N/mm^2
Glass Transition Temperature (T_g)	64	˚C
CTE Prior T_g	76	ppm/˚C
CTE After T_g	175	ppm/˚C
Service Temperature Range	-40–150	˚C

Usage Parameters

Working Time	3 to 5	min
Set Time	8 to 10	min
Functional Cure @ 22 ˚C	5	h
Mix Ratio by Volume	1:1	
Mix Ratio by Weight	1:1	

Uncured Properties

Mixed Density		1.14	g/mL
Viscosity @ 25 ˚C	(A)	12	Pa·s
	(B)	14	Pa·s
Shelf Life		3	y

8332

Application Instructions

Read the product SDS and Application Guide for more detailed instructions before using this product (downloadable at www.mgchemicals.com).

Recommended Preparation

Clean the substrate with Isopropyl Alcohol, MG #824, so the surface is free of oils, dust, and other residues.

Syringe or Cartridge

1. Twist and remove the cap from the cartridge or syringe. Do not discard cap.
2. Dispense a small amount to ensure even flow of both parts.
3. (Optional) Attach a static mixer.
   a. Dispense and discard 3 to 5 mL of the product to ensure a homogeneous mixture.
   b. After use, dispose of static mixer.
4. Without a static mixer, dispense material on a mixing surface or container, and thoroughly mix parts A and B together.
5. To stop the flow, pull back on the plunger.
6. Clean nozzle to prevent contamination and material buildup.
7. Replace the cap on the cartridge or syringe.

Dispensing Accessories

Consult the table below for accessory selection. See the Dispensing Accessories Application Guide for usage instructions. 8MT-50-FT should only be used with a pneumatic dispenser.

Cat. No.	Dispensing Gun	Static Mixer
8332-25ML	N/A	8MT-25
8332-50ML	8DG-50-1-1	8MT-50

Cure Instructions

Allow to cure at room temperature for 5 hours, or cure the adhesive in an oven for 15 min at 65 ˚C.

Storage and Handling

Store between 16 and 27 ˚C in a dry area, away from sunlight (see SDS). To maximize shelf life, recap product firmly when not in use.

Disclaimer

This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.