

WC-753 A/B

TRANSLUCENT 55 SHORE D

POLYURETHANE ADHESIVE/COATING SYSTEM

WC-753 A/B is a two part, translucent 55 Shore D polyurethane adhesive/coating system designed to repair cracks and scratches. WC-753 A/B is also used to bond dissimilar substrates and has excellent adhesion to plastic surfaces. It is particularly suited for bonding or clear coating a wide variety of porous, synthetic, or natural substrates, such as rigid or flexible foamed plastics, fabrics, wood or modeling board. WC-753 A/B will bond construction materials such as polystyrene insulation board, rigid polyurethane foam, and Neoprene rubber.

- Tough and impact resistant
- 8-9 minute working time
- Good weatherability
- 100% solids, no solvent or exudates
- Convenient 1 to 1 mix ratio by weight
- Ideal hardness to form tough, flexible bonds to plastic substrates

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Hardness, Shore D	ASTM D2240	55 ± 2
Density (g/cc)	ASTM D792	1.12
Cubic Inches per Pound	N/A	25.65
Color/Appearance	Visual	Translucent Pale Yellow
Tensile Strength (psi)	ASTM D638	2,200
Elongation (%)	ASTM D638	370
Flexural Strength (psi)	ASTM D790	1,430
Flexural Modulus (psi)	ASTM D790	4.7 x 10 ⁴
T-Peel Strength (pli)	ASTM D1876	40

HANDLING PROPERTIES	Part A	Part B
Mix Ratio by weight	100	100
Mix Ratio by volume	93	100
Specific Gravity @ 77°F (25°C)	1.12	1.04
Color	Colorless	Pale Yellow
Viscosity (cps) @ 77°F (25°C) Brookfield	4,150	800
Mixed Viscosity (cps) @ 77°F (25°C) Brookfield	1,850	
Work Time, 100g mass @ 77°F (25°C)	8 – 9 minutes	
Gel Time	9 – 10 minutes	
Tack Free Time @ 77°F (25°C)	4 – 6 hours	

Properties above are typical and not for specifications.

CURE SCHEDULE/HEAT CURING:

Most of the physical properties can be achieved in 5-7 days at 77°F (25°C). You may use your own post-cure schedule but the physical properties may vary from BJB's cure schedule of 1-3 hours at 77°F (25°C) followed by 16 hours at 160 °F (71). Do not exceed curing temperatures of 200°F (93°C). Support of the part may be required to prevent part deformation during the heat curing process.

STORAGE AND HANDLING:

Store at ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at recommended temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING	Part A	Part B	Cubic Inches per Pound
Quart Kits	2 lbs.	2 lbs.	103
Gallon Kits	8 lbs.	8 lbs.	410
5-Gallon Kits	40 lbs.	40 lbs.	2,052

SAFETY PRECAUTIONS:

Avoid contact with skin. Use protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product. Use in well-ventilated areas. Avoid breathing vapors. If exposures cannot be kept at a minimum, a respirator may be necessary in addition to ventilation. The use of a positive pressure air supplied respirator is mandatory when airborne isocyanate concentrations are "not known" or exceeds OSHA'S TWA of 0.005 ppm. Air purifying, organic cartridge type respirators are not generally recommended to use when handling this material without implementation of an end of life service program. Observe OSHA regulations for respirator use (29 CFR 1910.134). Employers are responsible for selecting the correct respirator for each situation.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Refer to the Material Safety Data Sheet before using this product.



Handling Guide



WC-753 Part A SDS



WC-753 Part B SDS