

BJB Polyurethane WC-753 A/B

Polyurethane

BJB Enterprises, Inc.

Message:

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.

General Information			
Features	Impact resistance, good		
	Adhesiveness		
	Good adhesion		
	Good weather resistance		
	Good toughness		
Uses	Coating application		
	Adhesive		
Appearance	Translucent		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	-- ¹	g/cm ³	ASTM D792
	--	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50 - 60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.2	MPa	ASTM D638
Tensile Elongation (Yield)	370	%	ASTM D638
Flexural Modulus	324	MPa	ASTM D790
Flexural Strength	9.86	MPa	ASTM D790
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Component a	Mixing ratio by weight: 100, mixing ratio by capacity: 93		
Component B	Mixing ratio by weight: 100, mixing ratio by capacity: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity			Brookfield
25°C ²	800	cP	Brookfield
25°C ³	4150	cP	Brookfield
25°C	1850	cP	Brookfield

Gel Time	9.0 - 10.0	min	
Tack Free Time (25°C)	4.0 - 6.0	hr	
Work Time ⁴ (25°C)	30.0	min	
Cure Time	2.0 - 3.0	day	
T-Peel	7.0	kN/m	ASTM D1876-72
Additional Information	Nominal Value	Unit	Test Method

Generally, for most coating or adhesive applications, ambient temperature curing is adequate. However, optimum physical properties are obtained by moderate post-curing WC-753 for 2 - 4 hours at 120 - 140° F (49° - 60°C), after tack free and dry to touch at ambient temperature cure.

NOTE

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| 1. | Part B |
| 2. | Part B |
| 3. | Part A |
| 4. | 100g mass |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

