

BJB Polyurethane WC-748 A/B

Polyurethane Thermoset Elastomer

BJB Enterprises, Inc.

Message:

WC-748 A/B is a two part, 55 Shore D clear polyurethane adhesive/coating system designed to repair cracks and scratches. WC-748 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-748 A/B will bond construction materials such as polystyrene insulation board, rigid polyurethane foam, ABS, PVC and Neoprene rubber.

General Information			
Features	Good Impact Resistance		
	Good Toughness		
	Good Weather Resistance		
Uses	Adhesives		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
	Yellow		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Specific Gravity			
Part A	1.117	g/cm ³	
Part B	1.037	g/cm ³	
Tack Free Time (25°C)	16.0	hr	
Work Time (25°C) ¹	30.0	min	
Brookfield Viscosity			
Mixed : 25°C	1850		
Part A : 25°C	4150		
Part B : 25°C	800		
Cure Time (23°C) ²	2.0 to 3.0	day	
T-Peel	7.0	kN/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50 to 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	

Thermoset Components

Mix Ratio by Volume: 93

Part A

Mix Ratio by Weight: 100

Mix Ratio by Weight: 100

Part B

Mix Ratio by Volume: 100

Shelf Life

26

wk

NOTE

1. 100g

Optimum physical properties are obtained by moderate post-curing WC-748 for 2 to 4 hours at 120 to 140°F (49 to 60°C) after tack free and dry to touch at ambient temperature cure.

2.

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